Volume 168 No. 10

Oil, Paint and Drug Reporter

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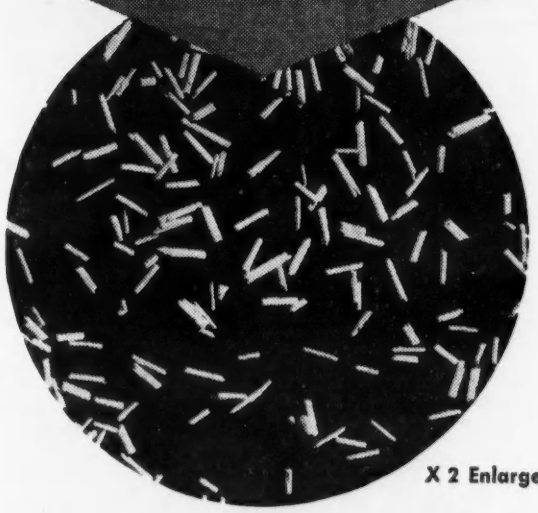

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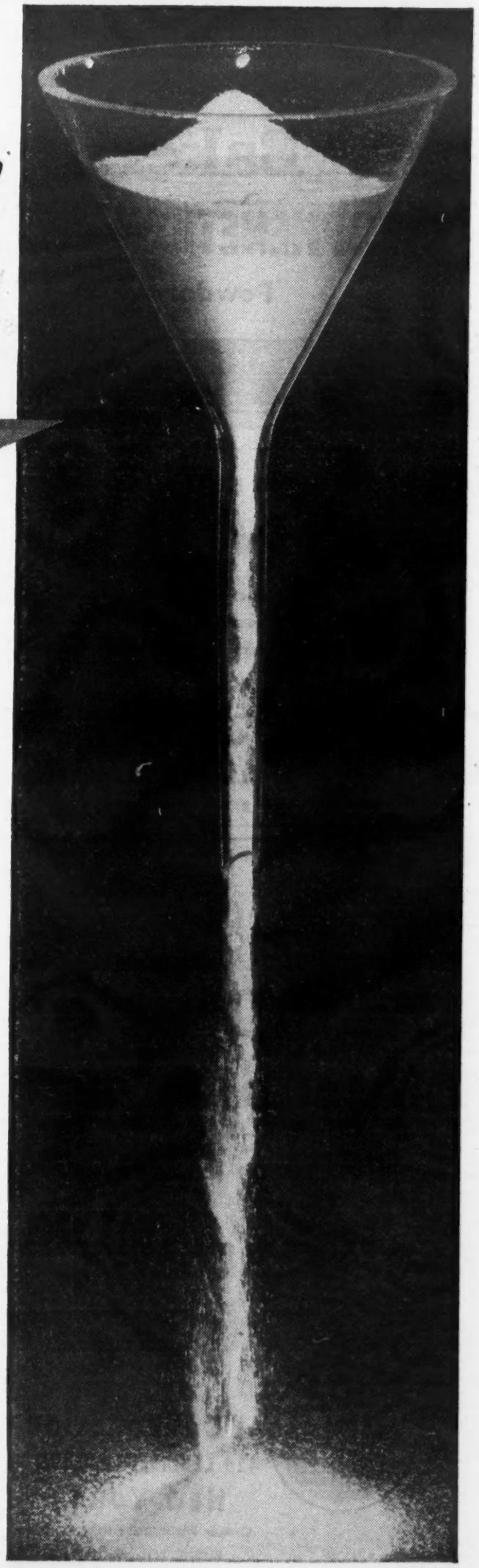

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Oil, Paint and Drug Reporter

Volume 168 No. 10 | 30 Church Street, New York 7, N. Y. | September 5, 1955

Copper Producers Hit Reserve Metal Order

Primary copper producers last week told the Business and Defense Services Administration that they are strongly opposed to a proposed government "direction" that would require the industry to reserve temporarily a small portion of its output to assure refined copper for defense contracts which might not otherwise be filled.

The producers predicted a return to normal domestic copper production in the next three or four weeks following the recent strikes. They also assured BDSA that the industry would "cooperate with the government to the best of its ability" to provide copper needed by contractors to fill defense-rated orders. Producers do not need a governmental order to require them to reserve a part of their output, they said.

Urge No Quarter Quota

The copper producers recommended that no quota of exports of refined copper of foreign origin be set for the fourth quarter. The third quarter quota was set at 54,000 short tons. The government also was urged to continue curbs on the export of copper and copper-base alloy scrap during October-December. Specifically, the government was asked to hold exports of unalloyed copper scrap in the fourth quarter to a maximum of 5,000 tons; copper base alloy scrap to 10,000 tons, and copper base alloy ingot to 1,000 tons.

BDSA reported that the US supply of copper from all sources in the next quarter, according to present estimates, will surpass estimated consumption by a few thousand tons. The agency also indicated that the supply of refined copper from comestic ores in the second quarter of 1955, the period immediately preceding the strike of copper mines and smelters, approximately 272,000 short tons, the highest quarterly supply since 1944, when the supply in one quarter was 275,000 short tons.

Calcium Carbide Facility Is Sold to Union Carbide

General Services Administration said last week it has sold at public auction a fifty-two-acre calcium carbide plant at Ashtabula, Ohio, complete with all machinery, fixtures and equipment. The plant went to Union Carbide & Carbon Corporation, New York, for a high bid of $405,000 cash.

Edmund F. Mansure, Administrator of General Services, said the results of the auction, held at the plant site, are now being submitted to the Department of Justice for antitrust clearance before the sale can be consummated. This is normal procedure where government real property for sale had an acquisition cost of over $1,000,000. Bidding at the auction started at $100,000 and progressed to the $405,000 figure.

The plant, built in 1941 to turn out 70,000 tons annually of calcium carbide for the war effort, cost $3,500,000. When the installation was closed shortly after World War II, it was leased to private companies continuously until December, 1952, when it was closed and put into standby condition. Last year the government decided to sell and put out a call for sealed bids. The best offer received at that time was $200,000 and it was rejected.

Polio Vaccine Released By Public Health Service

Public Health Service last week released 3,348,000 additional cubic centimeters of Salk polio vaccine. The third and largest allocation of vaccine under the voluntary control plan which went into effect on July 31, the new batch was made by Eli Lilly & Co., Indianapolis, Ind. Together with two previous releases totaling 2,023,000 cc, PHS has sanctioned the distribution of some 5,371,000 cc of vaccine to children of from five to nine years of age.

Meanwhile, the agency reported a total of 2,279 new cases of poliomyelitis for the week ending August 27, the greatest number of cases for any single week this year. During the same week in 1954, PHS said, some 2,205 new cases of polio were reported.

Tin Smelter's Disposal Is Authorized by ODM

The Office of Defense Mobilization last week authorized the Federal Facilities Corporation to enter into negotiations for the disposal of the government's tin smelter at Texas City, Tex. Final decision on the disposal of the plant will be subject to the approval of congress.

All proposals by interested parties should be submitted to FFC's office of tin, 811 Vermont avenue, N.W., Washington 25, D.C., which on request will supply full data on the facility. The installation was built during World War II. Cost of the original construction plus additions and improvements to date amount to about $13,200,000. Congressional authority under which the smelter is now being operated expires next June 30.

Synthetic Fuels Plant Urged As Project for Government

The government was urged last week to spend some of the money it has earmarked for its atomic reactor program on a project aimed at setting up synthetic fuels plants in coal areas.

Pointing out that inexpensive electric power generated by the atom, is "still confined to the realm of theory," Rep. John P. Saylor of Pennsylvania said that it would be more logical to consider the construction of a number of synthetic fuels plants than to spend huge sums "in the belief that the dollar sign will efface the question mark that hovers over commercial atomic power."

Rep. Saylor cited the coal hydrogenation plant of Carbide & Carbon Chemicals Company, a division of Union Carbide & Carbon Company, New York, at Institute, W. Va., as an example of the type of facility that can produce synthetic fuels. He said that the needs for making gasoline and oil have not materialized because synthetic fuels cannot yet compete on a cost basis with gasoline and oil made from crude petroleum. "Neither can atomic energy compete," he added.

Paint Plant Closing Delayed

The National Paint, Varnish and Lacquer Association indicated last week it has heard from the Department of Defense that the agency intends to wait ninety days before proceeding with plans to close down the navy's paint manufacturing plants at Mare Island, Calif., and Norfolk, Va. The ninety-day period, due to expire on November 9, is required by the defense appropriations act.

Nicotine Sulfate Imports Held Not Harmful in US

The Tariff Commission said last week it has looked into nicotine sulfate dumping charges against the firm of N. V. Alhamex, Amsterdam, Netherlands, and has decided that the domestic industry is not being, nor is it likely to be, injured by imports from that company at less than fair value.

The commission said its investigation turned up, among other things, the fact that the Treasury Department's determination that there were sales or likelihood of sales of nicotine sulfate at less than fair value was based on a single shipment from the Dutch firm.

Alhamex, it was pointed out, is not a producer of nicotine sulfate. While the source of the material in question was indicated on the customs invoice as being West Germany, Alhamex later denied this but refused to state the actual source of the shipment.

The Treasury labeled the material of West German origin and based its below-fair-value determination on prevailing quotations in West Germany. However, the commission noted that ordinarily West Germany is not a source of nicotine sulfate imports and that the shipment in question made up about 3 percent of total US imports of the material from all sources in 1954.

The commission said that it held no hearing in connection with the probe because neither the sole domestic producer, who was the original complainant, nor anyone else requested to be heard.

TVA Extends Contracts For Fertilizer Research

Tennessee Valley Authority last week announced a five-year extension of its fertilizer research and testing contracts with agricultural experiment stations in eight states. Included are the seven Tennessee Valley states of Alabama, Georgia, Mississippi, Tennessee, Virginia, North Carolina and Kentucky along with the state of Washington.

Contracts with the experiment stations have been in effect for the past several years. The extension is to June 30, 1960. The experiment station in Washington is located at Washington State College, Pullman. In addition to its contracts with the valley stations, TVA has pacts with four experiment stations representing major geographical areas.

The Pullman station tests TVA fertilizers under soil and climatic conditions prevailing in the northwest. The north-central region is represented in the work at Iowa State College at Ames, Iowa. The experiment station at Colorado Agricultural & Mechanical College, Fort Collins, Col., cover the western region. The station at Cornell University, Ithaca, N. Y., represents the northwestern region.

Druggists Ask Support For 'Opportunity' Bills

A spokesman for the nation's retail druggists last week urged passage of legislation now in the congressional hopper "to restore the Robinson-Patman anti-price discrimination act to its original intent."

George H. Frates of the National Association of Retail Druggists told the senate's antitrust and monopoly subcommittee that S. 11 introduced by Sen. Estes Kefauver of Tennessee and H. R. 11 offered by Rep. Wright Patman of Texas, the so-called "Equality of Opportunity" bills, reaffirm the purposes for which congress enacted the antitrust laws.

The bills, he felt, would help in the "intelligent, fair and effective administration and enforcement" of the antitrust laws and would strengthen the Robinson-Patman act, thus giving small business the protection which he contended it needs.

Defense of Fair Trade

In a determined defense of fair trade, Mr. Frates argued that it prevents monopoly because "in order to operate under a fair trade act the manufacturer's product must be in free and open competition with an item of similar character." Thus, he said, competition is placed at the manufacturers level, where, the NARD official maintained, "it belongs."

Citing a supreme court ruling that a fair trade law "does not attempt to fix price nor does it delegate such power to private persons," Mr. Frates went on to charge that opponents of fair trade "seek to destroy competition."

"Those opposed to fair trade," he contended, "are merchants who use loss-leaders to create the illusion that their prices are generally lower than those charged at other stores; manufacturers of private brands or of unbranded merchandise, who want their distributors left free to use popular brands as a 'bait' in order that their own less well known products may thereby have wider distribution; and that class of consumers who have not studied distributional practices sufficiently to understand the purpose and true character of loss-leader merchandising."

Comparisons Not Significant

Price comparisons made by the enemies of fair trade are "not at all significant," Mr. Frates declared, because, for one thing, "they do not undertake to show comparative prices on the great majority of merchandise outside the predatory cut-price categories."

Speaking for a segment of the oils marketing industry, William Simon of the Empire State Petroleum Association, asserted that the Robinson-Patman act works against other antitrust laws and

—*Continued on page 67*

Chemical, Plastics Branches Revamped by Quartermaster

The chemical and plastics branches of the Quartermaster Inspection Service Command began operations yesterday along with other units of the command under a revamped setup. With headquarters in the Philadelphia Quartermaster Depot, the command now has twelve area officers, employing 417 inspectors. The step is part of a decentralization of Quartermaster inspection activities started in July of last year.

Under the new setup, four divisions make up the command's headquarters in Philadelphia — clothing and equipage, general supplies, subsistance, and general testing laboratories. The chemical and plastics branches are part of the general supplies division along with the contract service, mechanical, metal and wood, paper and miscellaneous units.

BDSA Aluminum Position Assigned to Kaiser Executive

Business and Defense Services Administration last week appointed William J. Edmunds, an executive of the Kaiser Aluminum & Chemical Corporation, Oakland, Calif., director of its aluminum and magnesium division.

Mr. Edmunds, who will serve BDSA actively for a six-month period or longer, has except for two years during World War II been employed in production capacities at various fabricating plants in the primary aluminum industry since 1940. He it at present Kaiser Aluminum's metal control manager at Oakland.

Non-Proprietary Narcotics Naming To Be Speeded Through New Plan

A new, speedier procedure has been agreed upon for the proposal of international non-proprietary narcotics names to the World Health Organization.

The new arrangement, which has the approval of the United Nations, the Public Health Service, the Department of State, and the Bureau of Narcotics, is an outgrowth of discussions with representatives of the American Medical Association, the National Research Council, and the American Drug Manufacturers Association.

Urge All Possible Speed

Dr. Leonard A. Scheele, US Surgeon General, has notified Dr. Narcoline G. Candau, director-general of WHO, that the procedure will be put into effect in this country. Under the new setup, which is unofficial, US pharmaceutical concerns, which develop new narcotics, will be urged to propose suitable international, non-proprietary names to WHO as quickly as possible.

A key figure in the new procedure will be Dr. Nathan B. Eddy, chief of the analgesics section of the National Institute of Arthritic and Metabolic Diseases. Dr. Eddy, who is also secretary of NC's committee on drug addiction and narcotics, keeps close tabs on narcotics research done by US drug firms and laboratories and often receives and transmits samples of new narcotics to the PHS addiction research center at Lexington, Ky., for tests as to addicting properties.

Dr. Eddy to Advise AMA

At this point, Dr. Eddy will notify Dr. Robert T. Stormont, secretary of AMA's council on pharmacy and chemistry, of the substance involved and the firm that has developed it. Dr. H. van Zile Hyde, chief of the PHS division of health, will then contact the concern early in the development of the new narcotic to find out whether any steps are being taken to propose a new international non-proprietary name to WHO.

When a new narcotic name is proposed to WHO, NRC's committee on drug addiction and narcotics, will be informed through Dr. Eddy. The committee in turn will tell the commissioner of narcotics of the action and provide him with all relevant technical information. The bureau of narcotics will then be in a position, via the State Department, to supply the UN with all necessary data concerning addiction-producing qualities of the new narcotic.

AEC Spurs Research By Non-Profit Groups

In a move to encourage further atomic research, the Atomic Energy Commission said last week that it would waive charges for special nuclear materials and heavy water used in research by non-profit educational and medical institutions.

For the past several years, AEC has followed a policy of lending special nuclear material to non-profit organizations, without charge for use in research and development reactor projects.

Under the atomic energy act of 1954, the distribution of special nuclear material and source material for use in non-AEC research reactors will be made under license. Commercial or industrial licensees will pay full costs for materials and services furnished by AEC in line with the pricing policy announced by the commission in January.

Besides waiving charges on nuclear materials, AEC will also provide non-profit institutions with funds or free services for the fabrication of fuel elements, preparation of fuel solutions, and reprocessing fuel after use. The agency will provide neutron sources when needed in the operation of the research reactor. The AEC assistance granted under the new policy will continue until July 1, 1960, unless otherwise determined by the commission.

To qualify for assistance, the applicant must be a non-profit educational or medical institution, and must establish that the facility will be used in a program which may be expected to contribute significantly to the application of reactor technology to biology and medicine, engineering, or other fields of science. The policy will apply to university research reactors now in operation or under construction, as well as to new projects. In return for the assistance, the applicant will be required to enter into an agreement which will include patent and reporting provisions.

He will be required to reserve to the government the determination of patent rights on patentable modifications of the facility itself and on processes useful in the production of special nuclear material. These rights would allow the commission to make available to other institutions any improvements in research reactors. The applicants would also be required to make any information, developed through the use of the facility, public through normal publication channels and allow the commission to make further distribution.

Elements 99, 100 Described, Outgrowths of H-Bomb Blast

Two new chemical elements were produced by the first full-scale hydrogen bomb explosion in the Pacific ocean in late 1952, it was announced by atomic scientists last week. The new elements are number ninety-nine and number 100 in the list of elements. Names suggested for them by the researchers are einsteinium for element ninety-nine and fermium for element 100 in honor of Dr. Albert Einstein and Dr. Enrico Fermi.

The cooperative experiments that produced the new elements were described by three groups:—The University of California Radiation Laboratory, and two Atomic Energy Commission laboratories, those at Argonne, Ill., and at Los Alamos, N. M.

Liquid Chlorine Advanced, Columbia-Southern Reports

Columbia-Southern Chemical Corporation, Pittsburgh, Pa., has announced an increase in the price of liquid chlorine in sellers' tankcars, f.o.b. cars at its producing plants, of $2.40 per ton of 2,000 pounds, effective September 6, on spot sales and October 1 on contract sales. This is the first increase in the company's chlorine price since July 1, 1953. Continuing increased labor costs and higher costs of raw materials, fuel, purchased power and supplies make such an increase necessary at this time, the company stated.

Leader Iron Works Adds New Section for Coatings

Leader Iron Works, Decatur, Ill., has created a new division known as the coatings division. The unit, headed by W. W. Wibel, will handle the sale of protective coatings as well as the application of protective coatings and linings to tank cars, hopper cars, highway tank trucks, and process equipment for industry.

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Petroleum Pipeline Airing Scheduled for Next Week

The Office of Defense Mobilization will hold an open hearing September 12 on proposals for a petroleum pipeline from Texas to the east coast. Arthur S. Flemming, ODM chief, said he is asking American Pipeline Corporation, Texas Eastern Transmission Corporation, and counsel for a group of Mississippi barge operators to present their views at the hearing.

Both pipe line companies have asked the government for financial aid in connection with either the construction or conversion of a pipeline for transportation of petroleum and petroleum products to the east coast from Texas. The purpose of the hearings, ODM said, is to obtain information which will help the government in determining what assistance, if any, should be given.

Great Lakes Carbon Names Sales Manager for Division

Joseph E. Moran, who has been general sales manager of the dicalite division of Great Lakes Carbon Corporation, Chicago, since 1948, has been appointed assistant general manager of the division. Mr. Moran began as district manager for Dicalite Company, forerunner of the dicalite division, in 1935. In 1948 he was appointed general sales manager, in addition to his duties as export manager, acquired in 1946. Mr. Moran has also been, since 1951, president of Dicalite Company, a sales agency for the dicalite division in certain areas.

Nitrogen Unit Nearly Ready

The Selma, Miss., petrochemical plant for nitrogen products of Mississippi River Chemical Company, a division of Mississippi River Fuel Corporation is expected to be completed the first of next month, the company reported. Production is designed for 200 tons of anhydrous ammonia per day, with other facilities including a 220-ton per day nitric acid plant, prilling plant, and storage facilities.

Indoil, Carbide Unscathed In Standard's Refinery Fire

Indoil Chemical Company reported last week through its president, William B. Plummer, that it suffered no damage to chemical production facilities during the fire that ravaged the Whiting, Ind., refinery of its parent company, Standard Oil Company of Indiana. However, a raw material shortage looms over the next few weeks until the refinery is again in operation, Mr. Plummer reported. Union Carbide & Carbon Corporation, New York, reported at the same time that no damage was suffered by its Whiting plant. Some raw material gas from Standard was lost, Carbide said, but this loss was made up from other sources.

In commenting on the blaze, which broke out on August 27 and raged uncontrolled for over twenty-four hours, Mr. Plummer noted that the production unit nearest the fire was the detergent alkalate manufacturing unit, which was not damaged. Mr. Plummer pointed out, moreover, that Indoil has abundant stocks

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Monsanto Organic Dep't Shifts 4 Sales Executives

Four changes of assignment in the executive sales group of Monsanto Chemical Company's organic chemicals division have been announced by John L. Hammer, jr., divisional director of marketing.

Arthur P. Kroeger, a director of sales, has been appointed associate director of marketing for the division, a newly-created position, and Cyrus W. Merrell, a director of sales, has been made assistant to the director of marketing, also a newly-created position. William M. Russell, director of sales—operations, and Tullius C. Tupper, director of sales—planning, will exchange duties, with Mr. Tupper assuming the operational function and Mr. Russell taking the planning post.

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Price Index Is Weaker

The overall OPD price index last week declined 0.07 point to stand at 106.61.

The essential oils, aromatics and flavorings section noted advance for coumarin. Also firmer were methyl salicylate, Java-type citronella oil, and black Malabar pepper. Materials declining included Dutch and Polish poppy, Madagascar clove, red Turkish and white pepper, and Moroccan coriander seed.

There was a flurry of price activity in the drugs, fine chemicals and botanicals market as bromides and salicylates increased. Rises were reported for ammonium, calcium, lithium, potassium, sodium and strontium bromides. The salicylate advances included sodium, strontium and salol (phenyl salicylate).

Advances in crude naphthalene, 2,3-cresotic acid, o-chlorophenol, and p-chlorophenol were reported in the coal chemicals group. Advances to go into effect October 1 were announced for various grades of coaltar pitch. Trading in vegetable oils was generally slow, according to the oils, fats and waxes report. Soybean oil was irregular and ended unchanged. Cottonseed and peanut oils were off fractionally, due to lack of interest.

Borax and boron compounds were advanced in the heavy chemicals group. Copper chemicals moved upward again to reflect the 3 cents per pound increase made in the metal. Price activity in industrial organics was limited to an increase for ethyl bromide and a reduction for crude glycerine. Formaldehyde sales were reported somewhat better than in July. Advances in hoofmeal and phosphate rock were recorded in the agricultural chemicals group. This section noted that dried blood declined in Chicago. There were no changes in the protective coatings market. Among petroleum derivatives, propane moved up ½ cent in New York.

Prices Advanced

Acid, boric, $1.50 per ton (34).
Ammonium biborate, $2.50 per ton (34).
Bromide, 1c. per lb. (49).
Pentaborate, $2.50 per ton.
Barium corbontae, $7.50 per ton (34).
Chloride, anhyd., $7 per ton.
tech., 50c. per 100 lbs.
Borax, anhyd., $1.50 per ton (34).
Decahydrate, $1 per ton.
Pentahydrate, $1.25 per lb.
Calcium bromide, 4c. per lb. (49).
Chloride, $2 per ton (34).
Liquor, $1 per ton.
Camphor, monobrominated, 55c. per lb. (49).
o-Chlorophenol, 1c. per lb. (44).
p-Chlorophenol, 1c. per lb. (44).
Clove, Zanzibar, 1c. per lb. (57).
Cocoa butter, 3c. per lb. (60).
Copper carbonate, 2c. per lb. (34).
Metal, electrolytic, 3c. per lb.
Oxychloride, 3¾c. per lb.
Sulfate, CP and cryst., 1c. per lb.
monohydrated, 1.4c. per lb.
tribasic, 2½c. per lb.
Coriander, Yugoslavian, ½c. per lb. (57).
Coumarin, 10c. per lb. (57).
2, 3-Cresotinic acid, 4c. per lb. (44).
Ethyl bromide, 2c. per lb. (42).
Greases, ¼c. per lb. (60).
Hoofmeal, 25c. per unit-ton (47).
Jalap root, 7c. per lb. (49).
powd., 6c. per lb.
Lithium bromide, 14c. per lb. (49).
Methyl salicylate, 3c. per lb. (57).
Naphthalene, 74° and 78°, ¾c. per lb. (44).
Oil, citronella, Java-type, 20c. per lb. (57).
Linseed, 10c. per lb. (60).
Pepper, black, Malabar, 2c. per lb. (57).
Phosphate rock, Fla., 6c. per unit (47).
Pimento, Jamaican, 2c. per lb. (57).
Potassium bromide, 1c. per lb. (49).
Pentaborate, $2.50 per ton (34).
Poppy, Dutch, ½c. per lb. (57).
Polish, 1c. per lb.
Propane, indust., N. Y., ½c. per gal. (41).
Salol, 5c. per lb. (49).
Sesame, Nicaraguan, hulled, 1c. per lb. (57).
Salvadorian, nat., ¼c. per lb.
Sodium bromide, 1c. per lb. (49).
metaborate, $2 per ton (34).
salicylate, 3c. per lb.
Soybean meal, $5 per ton (60).
Strontium bromide, 6c. per lb. (49).
salicylate, 10c. per lb.
Tallow, inedible, ⅜c. per lb. (60).
Wax, carnauba, yellow, No. 1, Pahnahyba, 1c. per lb. (60).

Prices Reduced

Blood, dried, Chicago, 25c. per unit-ton (47).
Clove, Madagascar, 1c. per lb. (57).
Coconut, crude, ⅛c. per lb. (60).
Coriander, Moroccan, 1¼c. per lb. (57).
Copra, $2.50 per ton (60).
Cottonseed meal, $4 per ton (60).
Glycerine, crude, 1c. per lb. (42).
a-Ionone, 45c. per lb. (57).
methyl, 45c. per lb.
Lard, 0.4c. per lb. (60).
Linseed meal, $1 per ton (60).
Nutmeg, East Indian, 1c. per lb. (57).
West Indian, 1c. per lb.
Oil, bay, NF, Puerto Rican, 50-55%, 5c. per lb. (57).
Bois de rose, Brazil, 15c. per lb. (57).
Camphor, white, 7c. per lb. (57).
Chenopodium, 25c per lb. (57).
Corn, refd., ⅛c. per lb. (60).
Cottonseed, crude, ⅛c. per lb. (60).
refd., salad, ⅜c. per lb.
Peanut, refd., salad, ¼c. per lb. (60).
Peppermint, nat., 65c. per lb. (57).
redist., 65c. per lb.
Soybean, ⅛c. per lb. (60).
Wormseed, 25c. per lb. (57).
Pepper, red, Turkish, 2c. per lb. (57).
White, 1c. per lb.
Pimento, Mexican, 2c. per lb. (57).
Tallow, edible, ¼c. per lb. (60).
Wax, bees, refd., 1c. to 2c. per lb. (60).
Carnauba, north country, 2c to 4c. per lb.

OPD Price Index

THE OIL, PAINT AND DRUG REPORTER'S relative record of prices of chemicals and related materials is currently as follows:—

(100=1949 average)

Sept. 2, 1955	August 26, 1955	Sept. 3, 1954
106.61	**106.68**	**106.61**

FWDA Reports Agenda For Meeting Next Week

The Federal Wholesale Druggists' Association has announced the schedule of events for its annual convention to be held September 11 through 14 at Greenbrier hotel, White Sulphur Springs, W. Va.

The program on September 11 will commence with a reception in the grand ballroom in honor of the association's president, J. Addison Mize, president of Snowden-Mize Drug Company, and Mrs. Mize. Dinner will follow at 8 p.m.

A business session is scheduled at 9:30 a.m. on September 12 and will feature four talks, the first being "Your FWDA" by Mr. Mize. Wallace Werble, editor of "FDC Reports," will speak on "Has the Drug Business a Future?" He will be followed by Dr. Julian P. Price, presenting "A Medical Man's Opinion." Fred Smith, vice-president of Gruen Watch Company, will offer "Nothing Is Worth the Making Unless it Makes the Man."

Meeting for Wholesalers

A business meeting for wholesalers only, devoted to reports, will be held at 2:30 p.m. on September 12. Dinner on the 12th is scheduled for 7:30 p.m., and will be informal.

The association's golf tournament will begin at 9 a.m. on September 13. Activities planned for non-golfers, and set for 2:30 p.m., include a horseshoe pitching contest, a putting contest, and a skeet shooting contest. Dinner will be held at 7:30 p.m. and is formal. A presentation of "Tonight With the FWDA" starring Steve Allen as master of ceremonies is set for 9:30 p.m.

The business session on September 14, to begin at 9:30 a.m., will hear a talk on "This Freedom of Ours" by Nathaniel Leverone, chairman of Automatic Canteen Company of America. "Blueprints for Manufacturer-Wholesaler Success" will follow, consisting of:—"People vs. People" by Rex Thorning of Snowden-Mize Drug Company; "Better Sales Meetings," by Ralph E. Rohrman of Philadelphia Wholesale Drug Company; and "Merchandising Opportunities" by Robert Buchanan of Northwestern Drug Company. W. H. Gove, vice-president of EMC Recording Corporation, will speak on "You Make the Difference." Election of officers will follow.

Dow Foreign Units Posts Will Be Filled by Stearns

Jack C. H. Stearns, in an executive position with the export units of Dow Chemical Company, Midland, Mich., for the past year and a member of the export board of directors, has been elected to the newly-created offices of executive vice-president of Dow Chemical International Ltd. and Dow Chemical Inter-American Ltd.

Mr. Stearns started with Dow in 1937, handling general magnesium sales in the middle west until 1939. For the next five years he served as assistant to the magnesium sales manager and in 1944 became manager of ingot sales. He was appointed to an executive position with the Dow export companies in 1954 and elected to the export board of directors later the same year.

Dewey & Almy Names 3 Organics Sales Managers

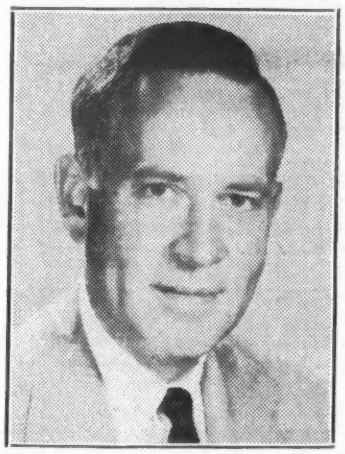
Promotion of three men to sales manager status, and the establishment of a new district office in Chicago are included in an organic chemical field sales expansion program announced last week by Dewey & Almy Chemical Company, Cambridge, Mass., a division of W. R. Grace & Co.

Charles E. Brookes has been promoted to the position of sales manager for organic chemicals and will head the new field set-up. Reporting to Mr. Brookes will be Tom C. Tarbox, as regional sales manager for the eastern district, and John G. Broughton, as regtional sales manager for the mid-west.

Paracresol Plant Projected By Hercules in New Jersey

Facilities in Gibbstown, N. J., for the production of about 3,000,000 pounds of paracresol annually are planned by Hercules Powder Company, Wilmington, Del. Construction on the new unit will get underway this fall and the addition is expected to be in operation in about a year. At the present, Hercules is producing about 1,000,000 pounds of paracresol annually at its plant in Hattiesburg, Miss.

Stauffer Sales Executive



Robert U. Haslanger has been appointed director of industrial sales by Stauffer Chemical Company, New York. Mr. Haslanger, who will continue to make his headquarters in New York, had been eastern sales manager. The appointment fills the vacancy created by the death, some months ago, of T. A. Haschke.

Borden in Plant Food Field With New Nitrogen Product

A new slow release nitrogen fertilizer compound, designed to last turfgrasses and ornamentals for an entire growing season with a single application, has been developed by the chemical division of Borden Company, New York, according to Augustine R. Marusi, president of the division. The compound represents Borden's entry into the chemical fertilizer field.

Based on a 38-0-0 formula, 38 percent nitrogen, with no phosphorus and no potash added, the product is derived from urea formaldehyde. It is non-burning and will release nitrogen steadily for periods ranging from six months to a year, Mr. Marusi stated. The material is called "Borden's 38," and is produced in the form of tiny white pellets, which are said to resist a tendency to leach or wash away when used on steep slopes. Available now in 50-pound bags through wholesalers, "Borden's 38" will be marketed in smaller packages for home use early next spring.

Fertilizer Units Projected, Virginia-Carolina Reports

Virginia-Carolina Chemical Corporation, Richmond, Va., has announced plans for the construction of three new fertilizer plants in the midwest.

The plants, each designed for the production of high analysis fertilizers, will be located at Orrville, Ohio; Remington, Ind., and Esterville, Iowa. The company said it plans to start construction immediately and expects each of the plants to be in production by next spring. When the new facilities are completed, V-C will have thirty-nine fertilizer plants in operation throughout the nation. The company is celebrating its sixtieth anniversary this month.

Wyandotte Establishes Three Newly-Constituted Divisions

Wyandotte Chemicals Corporation, Wyandotte, Mich., has announced the formation of three newly-constituted divisions. The first unit, the new Michigan alkali division, will be made up of the present Michigan alkali sales and manufacturing divisions. Another unit, the research and engineering division, will encompass present production-research and new business-development departments.

Bert Cremers
Michigan Alkali Unit Executive

The third unit, the general products division, will include purchasing, traffic and non-chemical sales and manufacturing operations.

The board of directors has also announced the election of Bert Cremers as vice-president and general manager of the Michigan alkali division. The research and engineering division will be headed by newly-elected vice-president Frank Wolcott while the general products division will be in charge of its newly-elected vice-president and general manager, George W. Schwarz.

In his new post, Mr. Cremers will be in charge of the divisional sales activities, as well as the manufacture of all Wyan-

—Continued on page 66

Refining Firms in Michigan Announce Plans for Merger

Reid Brazell, president of Leonard Refineries, Inc., Alma, Mich.; L. A. Woodward, president of Mid-West Refineries, Inc., Grand Rapids, Mich., and Alma, and E. Allen Morrow, president of Roosevelt Oil & Refining Corporation, Mt. Pleasant, Mich., announced last week the signing of an agreement to combine the facilities of the three corporations.

The agreement, which is subject to approval by the stockholders of each of the three corporations, and to a number of other conditions, contemplates the transfer of the assets of Mid-West and Roosevelt to Leonard in consideration of the issue of securities of Leonard. The agreement will be submitted for approval at meetings of the stockholders of Mid-West and Roosevelt to be held on Sept. 30, and at a meeting of the stockholders of Leonard to be held on a later date to be announced.

Resins Production of Eastern Germany Almost Entirely Phenolics, Melamines

Synthetic resins production in the Soviet zone of Germany since World War II has been confined almost wholly to phenolic and melamine resins, the Department of Commerce said last week quoting West German trade sources. Production of urea resins, silicones and laminated glass fiber is still reportedly in the initial stages of development.

About eleven major synthetic resin producers in East Germany are said to be turning out resins for use in varnish, polyvinyl chloride, polymerization products, latex and chlorinated rubber.

Leipzig Research Institute

According to German trade sources, a research institute was set up in Leipzig last October and is under the supervision of the East German government's Heavy Industries' Ministry. This research institute, among its other activities in chemistry and physics, will reportedly study processing technics and technological applications of plastics and plastics materials as well as industrial use and service.

The Institute of Organic Chemistry in Magdeburg and the research and development office of the public-owned Kunstharz- und Pressmass-Fabrik Espenhain have been dissolved.

In the fall of 1953, a synthetic resins fair was held in East Berlin under the sponsorship of the Heavy Industries' Ministry. Participants were said to have included fourteen public-owned enterprises and five scientific research institutes.

Goods Called Outstanding

At the Leipzig fair last year, at which many West German resins producers also displayed their products, the exhibition of synthetic resins and goods made from them was generally regarded as outstanding.

An exhibition demonstrating the use of synthetic resins in shipbuilding is reported to have been held in 1954 in the Mathias shipyard at Wismar, under the sponsorship of the Soviet Trade Mission to East Germany. Glass-fiber plants for the walls of ships superstructures, developed by the Institut fuer Holztechnologie under Faserforschung (Institute for Wood Technology and Fiber Research) at Dresden, were shown.

Fats, Oils '55 Exports Predicted at '54 Level

World exports of fats, oils and oilseeds this year will be around 7,200,000 short tons oil equivalent, the Foreign Agricultural Service forecast last week. This tonnage would approximate the record 7,250,000 tons estimated to have been traded in 1954 and would exceed the prewar average by almost 10 percent.

In important aspect of the world's volume of trade in 1955, as in the record year 1954, FAS pointed out, is the large quantity of cottonseed oil being exported from the United States under a program of orderly liquidation of government-held supplies.

While exports of industrial oils may be almost one-fourth less than the relatively large shipments of 1954, and marine oil exports may decline by roughly 6 percent, a large portion of the total decline may be offset by somewhat larger exports of edible vegetable oils and animal fats and a possible slight increase in palm oil exports.

Edible Vegetable Oils Exports

Edible vegetable oils exports during the current calendar year likely will exceed the 1954 record level of 1,810,000 tons, on the basis of increases foreseen in cottonseed and soybean oils. World exports of cottonseed oil this year are expected to exceed 500,000 tons, surpassing the 1954 tonnage, which was well above any previous year.

The new record of exports reflects the continuing movement of large quantities of cottonseed oil sold for export from inventories of the Commodity Credit Corporation. This year's exports of soybeans from the United States probably will set a new record and establish a new high for world exports of beans and oil—probably in excess of the high of 500,000 tons, oil equivalent basis, exported in 1951.

Trade in soybeans and soybean oil in 1954 reached the prewar level largely as a result of record shipments of beans from the United States. Peanut and peanut oil exports are expected to decline this year because of the smaller peanut harvests in 1954 in British and French West Africa, and despite the expected increase in oil shipments from India and the relatively large imports of peanuts into the United States. The heavy movement in 1954 reflected largely the record or near record African crops of 1953.

Trade in Sunflower Seed and Oil

With supplies of sunflower seed and oil short in Argentina and Uruguay, the volume of world trade undoubtedly will be down sharply. Olive oil trade likely will decline also, as a result of the reduced supplies of oil from the 1954 Mediterranean Basin olive crop and the recent indications of a disappointing crop in 1955.

—Continued on page 66

National Carbide Appoints R. T. Lund Vice-President

Russell T. Lund, operating manager, has been appointed a vice-president of National Carbide Company, New York, a division of Air Reduction Company.

Mr. Lund joined the Air Reduction Sales Company Division in 1936, transferred to the National Carbide Division in 1940, and less than a year later was appointed plant superintendent of the division's calcium carbide and acetylene generating plant at Louisville, Ky. In 1948 he became assistant operating manager of the division and a year later was appointed operating manager. He recently has devoted most of his time to the new calcium carbide and acetylene generating plant at Calvert City, Ky., where he will continue to make his headquarters.

Isophthalic Project Nears Final Construction Stage

Construction of the Richmond, Calif., isophthalic acid plant of Standard Oil Company of California, San Francisco, has entered its final phase and is scheduled to begin operations during the last quarter of the year. The $7,000,000 project has been designed to turn out 50,000,000 pounds of isophthalic acid annually for the plastics industry and for the manufacture of surface coatings.

Grace Names J. B. Pitner

Dr. John B. Pitner has been named manager of agricultural service for Grace Chemical Company, Memphis, Tenn., a subsidiary of W. R. Grace & Co. Prior to joining Grace, Dr. Pitner was head of the agronomy department at Clemson Agricultural College, Clemson, S. C., where he was in charge of research, teaching and extension work.

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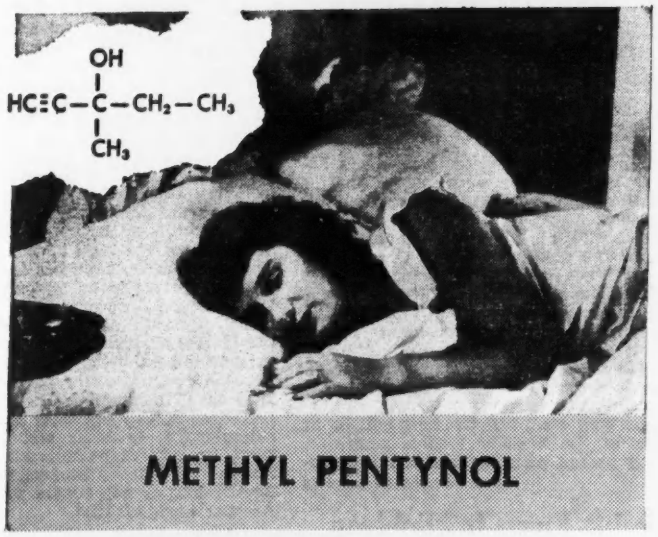
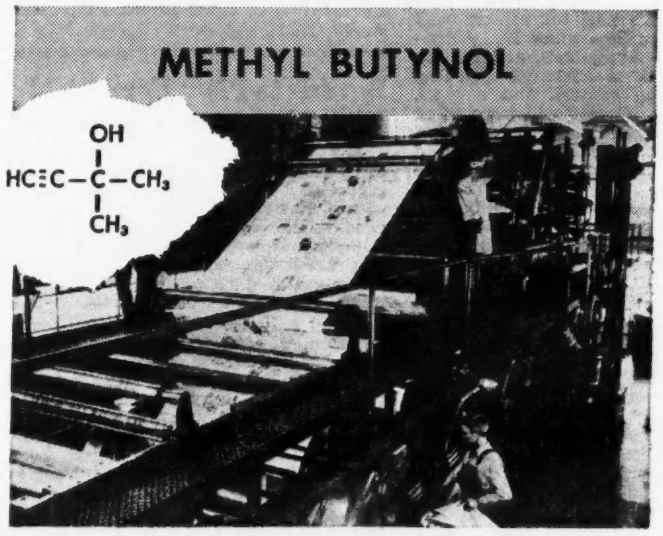
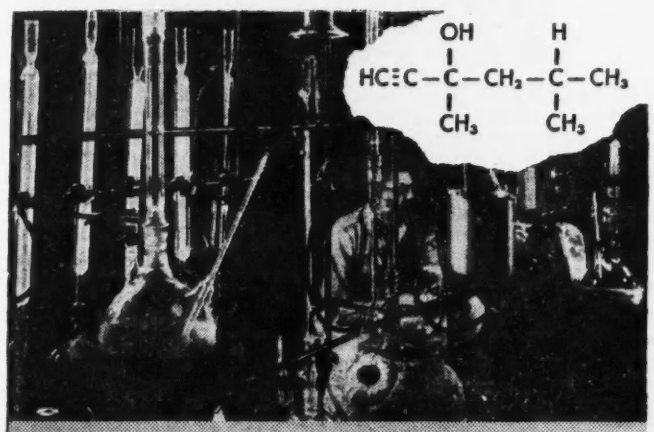
COAL TAR CHEMICALS

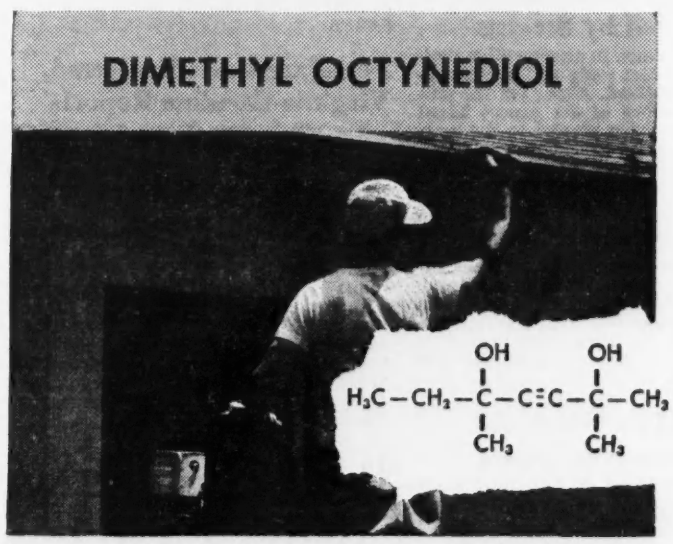


METHYL PENTYNOL





DIMETHYL HEXYNOL



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Association Meetings

This Week

National Agricultural Chemicals Association, annual meeting, Essex and Sussex hotel, Spring Lake, N. J., September 7-9.

American Association of Textile Chemists and Colorists, Chalfonte-Haddon Hall hotel, Atlantic City, N. J., September 22-25.

American Chemical Society, national meeting, University of Minnesota, Minneapolis, Minn., September 11-16.

American Council of Independent Laboratories, annual meeting, Westward Ho hotel, Phoenix, Ariz., November 8-11.

American Institute of Chemical Engineers, Lake Placid, N. Y., September 26-28; annual meeting, Statler hotel, Detroit, Mich., November 27-30.

American Petroleum Institute, annual meeting, St. Francis, Fairmount, Palace and Mark Hopkins hotels, San Francisco, November 14-17.

American Pharmaceutical Association, New York branch, Remington medal presentation dinner, Sheraton Astor hotel, New York, December 5.

American Pharmaceutical Manufacturers Association, mid-year and eastern section meetings, Waldorf-Astoria hotel, New York, December 12-14.

American Tung Oil Association, annual meeting, Edgewater Gulf hotel, Edgewater Park, Miss., September 29-30.

Association of Consulting Chemists and Chemical Engineers, forum and annual meeting, Belmont Plaza hotel, New York, October 25.

Atomic Energy Exposition, United Nations Plaza, New York, October 20-November 3.

Atomic Industry Trade Fair, Sheraton-Park hotel, Washington, D. C., September 26-30.

Boston Conference on Distribution, Statler hotel, Boston, October 17-18.

Chemical Market Research Association, Cavalier hotel, Virginia Beach, Va., September 22-23; joint meeting with CCDA, Carter hotel, Cleveland, Ohio, November 14-15.

Chemical Specialties Manufacturers' Association, annual meeting, Roosevelt hotel, New York, December 5-7.

Combined Pharmaceutical Contact Committee of ADMA and APMA, Sheraton-Park hotel, Washington, D. C., October 10-11.

Commercial Chemical Development Association, joint meeting with CMRA, Carter hotel, Cleveland, Ohio, November 14-15.

Drug, Chemical and Allied Trades section of the New York Board of Trade, annual meeting, Pocono Inn, Pocono Manor, Pa., September 22-24.

Exposition of Chemical Industries, Commercial Museum and Convention Hall, Philadelphia, December 5-9.

Federation of Paint and Varnish Production Clubs, annual meeting, Statler hotel, New York, October 3-5.

Federal Wholesale Druggists Association, annual meeting, Greenbrier hotel, White Sulphur Springs, W. Va., September 11-14.

First International Conference on the Use of Antibiotics in Agriculture, Washington, D. C., October 19-21.

Industrial Council, fifth annual meeting, Rensselaer Polytechnic Institute, Troy, N. Y., October 27-29.

International Atomic Exposition, Cleveland Public Auditorium, Cleveland, Ohio, December 12-16.

International Congress of Industrial Chemistry, Madrid, Spain, October 22-31.

National Association of Retail Druggists, annual convention, Atlantic City, N. J., October 16-20.

National Conference on Standards, Sheraton-Park hotel, Washington, D. C., October 24-26.

National Foreign Trade Council, annual foreign trade convention, Waldorf-Astoria hotel, New York, November 14-16.

National Paint, Varnish and Lacquer Association, annual convention, Shoreham and Sheraton-Park hotels, Washington, D. C., October 31-November 2.

National Petroleum Association, annual meeting, Traymore hotel, Atlantic City, September 14-16.

Nuclear Engineering and Science Congress, Cleveland Public Auditorium, Cleveland, Ohio, December 12-16.

Packaging Machinery Manufacturers Institute, annual meeting, The Homestead, Hot Springs, Va., September 15-18.

Paint Industries' Show, Statler hotel, New York, October 3-5.

Parenteral Drug Association, annual meeting, New Yorker hotel, New York, October 25-27.

Salesmen's Association of the American Chemical Industry, annual sales clinic, Roosevelt hotel, New York, October 24.

Society of Chemical Industry, American section, chemical industry medal dinner, Waldorf-Astoria hotel, New York, October 28.

Society of Cosmetic Chemists, annual seminar, Barbizon-Plaza hotel, New York, September 15-16.

Synthetic Organic Chemical Manufacturers Association monthly luncheon meeting, Waldorf-Astoria hotel, New York, September 14; annual dinner, Commodore hotel, New York, December 1.

World Plastics Fair and Trade Exposition, National Guard Armory, Los Angeles, October 5-9.

World Symposium on Applied Solar Energy, University of Arizona, Tucson, Ariz., October 31-November 1; Phoenix Civic Center, Phoenix, Ariz., November 1-4.

Oils, Fats Output, Use: July

Statistics on production and consumption of oils, and fats, including raw materials and primary products have been compiled by the Bureau of Census, Department of Commerce, for the month of January. The data are as follows:—

Primary Products

	Pounds		
	Production	Consumption	Stocks July 31
Babassu oil, crude	.....	[1]	4,269,000
Refined	[1]	717,000	[1] .....
Castor oil, No. 1, crude and No. 3, crude	3,305,000	7,676,000	[2]40,341,000
Coconut oil, crude	29,144,000	34,598,000	[2]84,979,000
Refined	23,909,000	21,431,000	12,760,000
Cod and codliver oils[3]	43,000	N. A.	573,000
Corn oil, crude	21,309,000	21,391,000	12,609,000
Refined	19,856,00	18,268,000	5,285,000
Cottonseed oil, crude	56,962,000	63,010,000	53,915,000
Refined	59,120,000	95,852,000	[4]344,805,000
Menhaden[3]	28,951,000		
Sardine (pilchard) and herring[3]	522,000	5,176,000	46,657,000
Other fish oil, except liver oil[3]	559,000		
Lard, rendered and refined	[5]148,000,000	[5]26,756,000	117,578,000
Linseed oil, raw	41,248,000	45,991,000	62,259,000
Refined	20,760,000	22,107,000	28,288,000
Marine mammal oil, not specified[3]	.....	4,032,000	[2]10,622,000
Oiticica oil	.....	575,000	4,631,000
Olive oil, edible	.....	232,000	5,313,000
inedible	.....	6,000	40,000
Sulfur foots	.....	[1]	[1] .....
Palm oil, crude	.....	4,881,000	[2]19,446,000
Refined	[1]	1,934,000	1,570,000
Palm kernel oil, crude	.....	3,495,000	10,546,000
Refined	2,034,000	2,419,000	2,388,000
Peanut oil, crude[7]	1,302,000	2,527,000	8,112,000
Refined	2,401,000	2,168,000	8,073,000
Perilla oil	.....	.....	.....
Rapeseed oil, crude	.....	[1]	[1] .....
Refined	.....	412,000	2,547,000
Sesame oil, crude	.....	.....	.....
Refined	.....	[1]	542,000
Soybean oil, crude	235,756,000	198,617,000	119,559,000
Refined	182,704,000	166,083,000	67,093,000
Tallow, edible (incl. refined)	14,552,000	[6]12,927,000	14,283,000
Tallow and grease, inedible (other than wool)			
All establishments	190,483,000	98,629,000	248,812,000
Establishments classified in meat packing industry	64,531,000	N. A.	N. A.
Tallow and grease, inedible, refined	14,738,000	12,718,000	8,451,000
Tung oil		3,806,000	42,572,000
Other vegetable oil, crude	1,214,000	3,925,000	20,184,000
Refined	3,628,000	1,420,000	5,962,000
Vegetable foots, 100% basis	14,470,000	10,580,000	41,902,000

Primary Products Except Oil

	Tons		
	Production	Shipments and transfer	Stocks July 31
Cottonseed cake and meal	78,293	113,201	203,090
hulls	36,071	42,647	41,654
linters[8]			
First cut	11,397	26,575	45,837
Second cut	35,355	49,109	76,819
Mill run	3,861	4,372	7,427
Total	50,613	80,056	130,083
hull fiber	90	141	313
motes and grabbots	438	1,224	2,100
Soybean cake and meal	493,481	494,596	98,268
flour	9,255	9,169	3,014
Other cake and meal—			
Castor bean	1,865	1,947	100
Copra	8,031	7,804	5,645
Corn germ	11,591	11,630	445
Flaxseed	36,777	31,478	27,746
Olive	.....	[10]	[10] .....
Peanut[9]	1,224	1,510	1,568
Tung nut	.....	.....	[10] .....
Other	2,484	2,753	3,278

Secondary Products

	Pounds		
	Production	Consumption	Stocks July 31
Castor oil, chemically dehydrated[11]	1,387,000	N. A.	2,311,000
Deodorized oil[12]	41,141,000	12,089,000	9,900,000
Coconut-type fatty acids, including coconut, babassu, and palm kernel and such fractionated fatty acids as lauric, caprylic, capric, and myristic[11]	4,018,000	N. A.	5,805,000
Fish and marine mammal fatty acids	1,687,000	N. A.	725,000
Low rosin fatty acids (rosin content 20% or less)	2,563,000	N. A.	865,000
Oleic acid, including white oleic and red oil	5,053,000	N. A.	8,389,000
Stearic acid (40-50% stearic content)	3,588,000	N. A.	4,565,000
Other stearic acids (over 50% stearic content), high palmitic (over 60% palmitic), hydrogenated animal and vegetable fatty acids	5,760,000	N. A.	6,232,000
Unsaturated unhydrogenated animal fatty acids (other than oleic)	5,599,000	N. A.	16,218,000
Unsaturated unhydrogenated vegetable fatty acids	5,872,000	N. A.	8,196,000
Glycerine, crude (100% basis)[13]	14,194,000	16,842,000	12,442,000
Refined, all grades (100% basis)[13]	15,608,000	14,165,000	25,880,000
Grease oil, lard oil, and tallow oil[14]	4,748,000	N. A.	5,336,000
Hydrogenated animal fats and oils—			
Edible	3,052,000	2,148,000	1,221,000
Inedible	2,826,000	4,710,000	3,133,000
Hydrogenated vegetable oils—			
Edible—			
Cottonseed	29,948,000	30,555,000	19,480,000
Soybean	76,276,000	70,660,000	33,778,000
Other	5,889,000	3,719,000	3,170,000
Inedible	1,115,000	1,802,000	1,736,000
Margarine[15]	[16]79,699,000	N. A.	24,252,000
Oleo oil and stearine, animal, edible	5,265,000	1,860,000	3,333,000
Shortening[17]	121,993,000	N. A.	138,949,000
Stearine, animal, inedible[11]	1,252,000	N. A.	872,000
Vegetable oil, winter	12,887,000	10,514,000	19,890,000
Tall oil, crude	27,157,000	24,984,000	50,206,000
Refined (excluding low rosin fatty acids)	10,267,000	8,573,000	11,314,000
Winterized oil	50,741,000	36,689,000	29,428,000

Raw Materials at Mills

	Tons		
	Receipts	Crushings	Stocks July 31
Castor beans	3,283	3,568	5,765
Copra	26,744	22,926	22,292
Corn germ	24,389	24,375	1,587
Cottonseed	131,087	165,338	209,064
Flaxseed	78,262	56,642	50,588
Olives	.....	.....	.....
Peanut[18]	1,355	1,909	731
Soybeans	633,374	640,409	316,216
Tung nuts	.....	.....	.....
Other	2,523	3,206	591

N. A.—Not available.

[1] Included in "Other vegetable oils" to avoid disclosure of figures for individual companies.

[2] Data for stocks of crude palm oil, crude coconut oil, crude castor oil, and sperm oil are on a commercial stocks basis and do not include figures for stock piles of strategic oils.

[3] Data for fish oil producers collected by Fish and Wildlife Service, Department of the Interior. Combined totals only are available for consumption and stocks of fish oil and marine mammal oil. Consumption data for cod, cod-liver, and other liver oils unavailable and stock figures for these items represent quantities held by producing firms only.

[4] Includes 187,000,000 pounds of refined cottonseed oil reported by respondents to the Census Bureau as owned by Commodity Credit Corporation. This figure, as well as the comparable June 30, 1955, figure of 269,000,000 pounds, includes quantities sold for export by CCC but not "lifted" but excludes quantities sold by CCC for export and being further refined. As of July 31, CCC reported that it had removed from inventory and put in an "in-transit position to other storage" about 33,000,000 pounds of refined cottonseed oil, all of which has been accounted for in respondents reports to the Census Bureau.

[5] Data on production collected by Department of Agriculture. These figures represent only rendered lard. According to this agency, refined lard production (federally inspected only) totaled 104,000,000 pounds in July.

[6] Excludes quantities used in refining.

[7] Data on production and stocks held at crude oil mill locations collected by Agricultural Marketing Service, Department of Agriculture.

[8] Average gross bale weight in pounds for July production: Total 620.3; first cut, 602.0; second cut, 626.2; and mill run 620.8.

[9] Data collected by Agricultural Marketing Service, Department of Agriculture.

[10] Included in "Other" to avoid disclosure of figures for individual companies.

[11] Data for stocks exclude quantities held by consuming factories.

[12] Winterized-deodorized oil, hydrogenated-deodorized oil, and cooking and salad oil not included.

[13] Includes data for synthetic glycerine.

[14] The total for July, 1955, was packaged as follows:—One-pound units, 73,411,000 pounds; bulk pats or chips 1,282,000, and bulk other 4,919,000 pounds. The sum of these items may not agree with the production total shown above because some margarine is not packaged during the same month in which it is produced.

[15] Data on peanuts collected by Agricultural Marketing Service, Department of Agriculture, and include reports by peanut shellers.

Petroleum Ass'n Lists Annual Meeting Talks

Admiral Arthur W. Radford, chairman of the Joint Chiefs of Staff, will be one of the featured speakers at the National Petroleum Association's annual meeting scheduled for September 14 through 16 at the Traymore hotel, Atlantic City, N. J. The general session will open at 2 p.m. with a welcoming speech by the association's president, A. W. Scott, president of Wolf's Head Oil Refining Company.

A talk on "The Outlook for Business" will follow, presented by Dr. H. E. Luedicke, of *The Journal of Commerce*. B. Brewster Jennings, chairman of the board of Socony Mobil Oil Company, will speak on "Progress Through Competition or Stagnation Through Regulation?" The report of the nominating committee and election of trustees will follow. The board of trustees will hold a meeting, immediately following the general session.

Traffic Department Meeting

Universal Oil Products Company, Des Plaines, Ill., will be host at a cocktail party at 5 p.m. on the evening of September 14. The department of traffic and transportation will hold a group meeting at 2:30 p.m. on September 15, with W. R. Pierce, the association's commerce counsel, presiding. A discussion of railroad car supply has been planned during this meeting. The meeting will also hear Howard G. Freas, a member of the Interstate Commerce Commission, and Earl B. Smith, director of transportation and communication with the Department of Defense.

The general session on September 15 will get under way at 10 a.m. with a talk on "Electronics in Industry" by Malcolm P. Ferguson, president of Bendix Aviation Corporation. T. S. Petersen, president of Standard Oil Company of California will present "Highway Progress and the Gasoline Tax." That session's final speaker will be Admiral Radford, who will discuss "National Defense."

Standards Group to Meet

A joint meeting of the department of manufacture and department of standards and tests will be held at 2 p.m. on September 15 and will commence with a symposium on "Fuels and Lubricants for Gas Turbine Engines," with E. H. Fallin, NPA technical and safety director, presiding. "Gas Turbines—Their Fuels and Lubri-

—*Continued on page 66*

ACS South Texas Section Planning Technical Session

The tenth annual technical meeting of the south Texas section of the American Institute of Chemical Engineers will be held October 14 at the Galvez hotel, Galveston, Tex. The meeting will include technical sessions and a social program of wide interest to executives, chemical engineers, and students.

A symposium on air and stream pollution will be presented in the morning concurrently with a general technical session. The air and stream pollution symposium will include discussions by experts from each of the three main types of organizations concerned with this topic:—Industry, public enforcement agencies, and the large scientific foundations. Speakers from E. I. du Pont de Nemours & Co., Harris County Health Unit, the Academy of Natural Sciences of Philadelphia, and Stanford Research Institute will be heard. The general session will include papers on "Condensation of Vapors Inside Tubes," "Fuel Requirements of Tomorrow's Engines," "Chemical Treatment of

—*Continued on page 51*

DCAT Conclave Will Hear Civil Defense Administrator

Val Peterson, Civil Defense Administrator and former Governor of Nebraska, will be the guest speaker at the sixty-fifth annual meeting of the Drug, Chemical and Allied Trades Section of the New York Board of Trade, to be held at the Pocono Manor Inn, Pocono Manor, Pa.

The organization will also honor Harry J. Anslinger, Commissioner of Narcotics, by presenting him with a special award in recognition of his many years of service and in commemoration of his twenty-fifth anniversary as commissioner.

Packaging Institute to Meet

The Packaging Machinery Manufacturers Institute will hold its annual meeting at The Homestead, Hot Springs, Va., September 15 through 18. John B. Wilson, president of Wright Machinery Company, Durham, N. C., is chairman of the program committee for the meeting.

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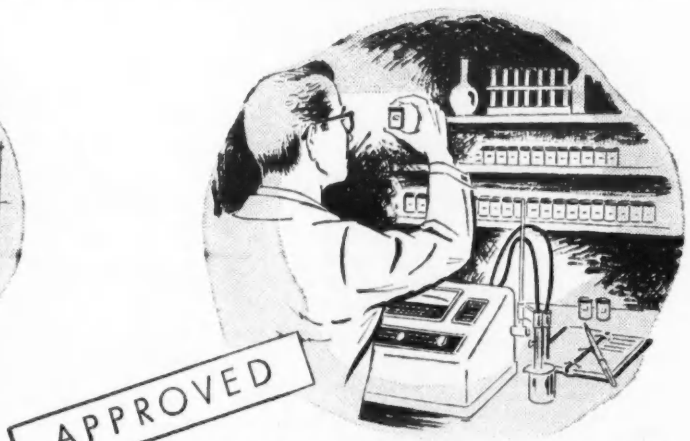

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Current Market Quotations

Chemicals and Related Materials

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Unless otherwise indicated, listings are first-hand quotations prevailing, according to information and belief, September 2 on large lots, f.o.b. New York, with the lowest in the left-hand column and the highest in the right-hand column. The listings do not represent bid and asked prices nor a range over the week. Differences between high and low may be accounted for by differences in quantity, quality, locality, or individual suppliers' views. An index to the weekly market reports is to be found on page 4.

A

Acacia (see Gum arabic).
Acenaphthene, below 92.5 C., m.p., dms. works lb. .40 - —
above 92.5 C., m.p., bbls., dms., works lb. .41 - .50
Acetaldehyde 99%, dms., c.l., dlvd. lb. .12 - —
l.c.l., dlvd. lb. .13½ - —
tanks, dlvd. lb. .10 - —
Acetaldol (see Aldol).
Acetanilide, tech., bbls., c.l., dlvd. lb. .29 - —
ton lots lb. .30 - —
smaller lots lb. .30½ - —
USP bbls., 2,000-lb. lots lb. .80 - —
smaller lots lb. .81 - .86
Acetic anhydride, dms., c.l., dlvd E. lb. .15½ - —
l.c.l., dlvd. E lb. .17 - —
tanks, dlvd. E lb. .14 - —
Acetoacetanilide, fib. dms., c.l., dlvd lb. .80 - —
l.c.l., dlvd lb. .81 - —
Acetoacet-o-chloroanilide, fib., dms., c.l., dlvd lb. 1.35 - —
l.c.l., dlvd lb. 1.36 - —
Acetoacet-o-toluidide, fib., dms., c.l., dlvd. lb. .82 - —
l.c.l., dlvd lb. .83 - —
Acetone, CP, dms., c.l., dlvd. lb. .09 - —
l.c.l., dlvd. lb. .10 - —
tanks, dlvd. lb. .07 - —
Methyl (see M)
Acetonitrile, dms., c.l., works lb. .45 - —
l.c.l., works lb. .47 - —
Acetophenetidin, USP, bbls., works, frt. equald lb. 1.17 - 1.19
Acetophenone cns., dms lb. 1.21 - 1.65
tech., dms., l.c.l., works lb. .75 - —
N-Acetyl-p-aminophenol, dms., frt. adjusted lb. 1.75 - 1.85
Acetyltributyl citrate, tech., non-ret. dms., c.l., frt. alld. E. of Denver lb. .36 - —
l.c.l., frt. alld. E. of Denver lb. .35 - —
tanks, frt. alld. E. of Denver, lb. .33 - —
Acetyltriethyl citrate, tech., non-ret. dms., c.l., frt. alld. E. of Denver lb. .39 - —
l.c.l., frt. alld E. of Denver, lb. .40 - —
tanks, frt. alld. E. of Denver, lb. .37 - —
Acetyltri-2-ethylhexyl citrate, non-ret. dms., frt. alld lb. .60 - —
Acid, abietic, comi., dms., c.l., works lb. .12 - —
l.c.l., ex whse lb. .1490- —
cryst., dms. c.l., works lb. .06½- —
l.c.l. works lb. .07 - .07½
Acetic, comi., or redist., 28%, bbls. 100 lbs. 4.80 - —
56%, bbls 100 lbs 8.25 - —
70%, bbls 100 lbs. 9.95 - —
80% bbls 100 lbs. 10.45 - —
glacial, syn., CP, dms., dlvd. 100 lbs. 15.00 -16.00
tech. dms., c.l., dlvd 100 lbs. 12.00 - —
l.c.l., dlvd 100 lbs. 13.00 - —
tanks, dlvd 100 lbs. 10.00 - —
USP cbys., inclusive, dlvd., 100 lbs. 24.00 -25.00
Acetic anhydride (see Acetic anhydride above).
Acetylsalicylic, USP, special, makers, primary distrib., bbls., 1,000-lb. lots, point of shipt lb. .63 - —
standard, fine, cryst., gran., (30-40 mesh) powd., (60 mesh) bbls., 1,000-lb. lots, lb. 58 - .60

Freight equald, shipt, identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.

Adipic, fib, dms., c.l., dlvd lb. .35 - —
l.c.l., dlvd lb. .37½- —
Aminoacetic, NF, bbls., frt. adjusted lb. 1.50 - 1.75
p-Aminobenzoic, tech., dms., works lb. 1.74 - 1.77
USP dms., 1,000-lb. lots or more, works lb. 2.50 - —
smaller lots, works lb. 2.55 - 2.60
p-Aminosalicylic, dms., 1,000-lb. lots or more, frt. adjusted lb. 4.00 - —
smaller lots, same basis lb. 4.05 - 4.50
Anthranilic, bbls., frt. equald lb. 1.21 - —
Arsenous, tech., (see Arsenic, white). USP (see Arsenic trioxide).
Ascorbic USP, dms., 25-100 kilo lots kilo. 16.00 - —
10-kilo lots kilo. 16.35 - —
5-kilo lots kilo. 16.75 - —
bots 1-kilo lots kilo. 17.00 - —
500-gram lots kilo. 17.50 - —
Battery, cbys., c.l., works, E. 100 lbs. 2.35 - —
l.c.l., works, E 100 lbs. 2.65 - 3.45
Benzoic, tech., bbls., dms., 100-lb. lots or more lb. .44 - —
USP, bbls., dms., 100-lb. lots or more lb. .54 - —
Betahydroxynaphthoic (see Acid, b-Oxynaphthoic).
Betaoxynaphthoic (see Acid b-Oxynaphthoic).
Boric, tech., 99.9%, cryst., bgs., c.l., works ton. 126.75 - —
ton lots, ex whse, N. Y. or Chi ton. 176.50 - —
smaller lots, same basis. ton. 181.50 - —
dms., c.l., works ton. 151.25 -172.25
ton lots, ex whse. N. Y. or Chi ton. 201.00 -222.00
smaller lots, same basis. ton. 206.00 -227.00
gran., bgs., c.l., works ton. 101.75 - —
ton lots, ex whse. N. Y. or Chi ton. 151.50 - —
smaller lots, same basis. ton. 156.50 - —
dms., c.l., works ton. 126.25 -147.25
ton lots, ex whse. N. Y. or Chi. ton. 176.00 -197.00
Acid, boric, tech., 99.9%, gran., bbls., smaller lots, same basis. ton. 181.00 -202.00
bulk, c.l., works ton. 95.75 - —
powd., bgs., c.l., works ton. 106.75 - —
ton lots, ex whse, N. Y. or Chi ton. 156.50 - —
smaller lots, same basis. ton. 161.50 - —
dms., c.l., works ton. 131.25 -152.25
ton lots, ex whse., N. Y. or Chi ton. 181.00 -202.00
smaller lots, same basis. ton. 186.00 -207.00

Boric acid in kegs $45.50 per ton higher than in paper bgs. USP boric Acid $25 per ton higher.

Broenners bbls lb. 1.76 - —
Butyric, 99%, dms., c.l., works, lb. .34 - —
t.c.l., works lb. .34½- —
tanks, works lb. .32½- —
Capric, dms lb. .24 - .26
Caprylic, dms. lb. .24 - .26
Cassella, dms., frt. alld., 100% basis lb. 1.44 - 1.75
Castor oil, split, dms lb. .35½- .36
Chicago, bbls. frt alld lb. 3.21 - —
Chloroacetic, mono-, purif., flake, 99%, dms lb. .23½- .25½
tech., flake, 96-97%, dms., frt. equald, lb. .20 - .21
o-Chlorobenzoic, fib. dms. works lb. 1.13 - —
p-Chlorobenzoic, fib dms. works lb. 1.59 - 1.63
Chlorosulfonic, dms., c.l., frt. equald lb. .0465- —
t.c.l., frt. equald lb. .0515- —
tanks, frt. equald lb. .0415- —

Acid, chlorosulfonic, in stainless steel dms. ½c. per lb. higher.

Cholic, 100-lb. lots, fib. dms. lb. 6.00 - 6.23
Chromic 99¾%, dms. c.l. works frt. equald lb. .27½- —
l.c.l., dlvd., N. Y. metropolitan area lb. .28¼- .29¼

NF (see Chromium trioxide).

Cinnamic, refd., bots lb. 2.50 - 3.50
Citric, USP, anhyd., gran., fine gran. dms. c.l. lb. .28¾- —
10,000-lb. lots, 1 shipt. lb. .29¼- —
smaller lots lb. .29¾- .31¼
Acid, citric, USP, hydrous, gran., fine gran., dms., c.l. lb. .27 - —
10,000-lb lots, 1 shipt. lb. .27½- —
smaller lots lb. .28 - .29½

Powdered citric acid ½c. higher.

Cleve's, mixed, bbls lb. .79 - —
Coconut oil, dist., dms lb. .24¾- .26¾
tanks lb. .22¾- —
dbl dist., dms lb. .25¾- .27¾
tanks lb. .23¾- —
Corn oil, dist., dms lb. .15¾- .17¾
tanks lb. .13¾- —
Cottonseed oil, dist., dms lb. .1525- .1725
tanks lb. .1325- —
2,3-Cresotic, dms. ton lots works. lb. .70 - —
less than ton lots, works lb. .72 - —
Cresylic, coaltar dom., 50% 207 C or above, resin and tricresyl phosphate grade, tanks, frt. equald gal. 1.00 - —
50% 210° C. or above, total range over 9° C., non-resin grade, dms., c.l., same basis gal. .91 - —
l.c.l., same basis gal. .94 - —
tanks, same basis gal. .80 - —
50% 204° to 207° C., tricresyl phosphate and resin grade, tanks, same basis gal. 1.10 - —
imp., 75% at 215° C., or over, dms., ex whse gal. .85 - 1.00
petroleum, dom., 195° to 214° C., non-ret. 65 dms. to c.l., works, San Francisco and Los Angeles gal. .75 - —
l.c.l., same basis gal. .77 - .79
tanks, works, frt. alld. E. gal. .71 - —
200° C to 222° C., tanks, Wilmington, Cal gal. .62 - .69
211° C to 237° C., non-ret. dms., c.l., San Francisco and Los Angeles gal. .67 - —
l.c.l., same basis gal. .69 - .71
tanks, same basis gal. .54 - —
220° C. to 242° C., tanks, Wilmington, Cal gal. .54 - .59
245° C. to 298° C., tanks, Wilmington, Cal gal. .50 - —
Crotonic fib dms., 200 lbs. or more, works lb. .50 - —
Cyanoacetic, tech., bbls lb. .90 - 1.25
Dehydrocholic, injection, fib dms. 100-lb. lots lb. 12.25 - —
oral, fib. dms., 100-lb. lots lb. 9.25 - —

Abbreviations
Used in OPD Market Quotations

alld.	allowed
amorph.	amorphous
AMP	American melting point
anhyd.	anhydrous
a.p.a.	available phosphoric acid
approx.	approximately
artif.	artificial
ASTM	American Society for Testing Materials
Atl.	Atlantic
Be.	Baume
bbls.	barrels
bgs.	bags
bls.	bales
bots.	bottles
b.p.	boiling point
b.p.l.	bone phosphate of lime
b.r.	boiling range
bxs.	boxes
C.	centigrade
cbys.	carboys
CD	completely denatured
c.i.f.	cost, insurance, freight
cks.	casks
c.l.	carlots
cns.	cans
coml.	commercial
conc.	concentrated
CP	chemically pure
cps.	centipoises
cryst.	crystal
cs.	cases
ctns.	cartons
cyls.	cylinders
d-	dextro
dbl.	double
denat.	denatured
dest-dist.	destructive-distilled
dl-dist.	dextro-laevo distilled
distr.	distributor
djns.	demijohns
dlvd.	delivered
dms.	drums
dom.	domestic
E.	east
e.p.	end point
equald.	equalized
exp.	expressed
F.	fahrenheit
ferment.	fermentation
f.f.a.	free fatty acid
f.f.c.	free from chlorine
fib.	fiber
f.o.b.	free on board
f.p.a.	free of prussic acid
frt.	freight
gal.	gallon
gran.	granular
grd.	ground
i.&a.	iron and aluminum
i.b.p.	initial boiling point
imp.	imported
incl.	included
indust.	industrial
kgs.	kegs
l-	laevo
lacq.	lacquer
lb.	pound
l.c.l.	less than carlots
l.t.l.	less truckload
liq.	liquid
mfrs.	manufacturers
m-	meta
m.a.p.	mixed aniline point
min.	minimum
m.p.	melting point
N-	nitrogen
n-	normal
nat.	natural
neut.	neutral
NF	National Formulary
NNR	New and Nonofficial Remedies
No.	number
nom.	nominal
o-	ortho
ord.	ordinary
oz.	ounce
p-	para
Pac.	Pacific
pf.	proof
phos.	phosphate
photo.	photographic
pkgs.	packages
powd.	powdered
precip.	precipitated
prod.	producer
pt.	point
pulv.	pulverized
purif.	purified
redist.	redistilled
refd.	refined
refy.	refinery
reg.	regular
resub.	resublimed
ret.	returnable
SD	specially denatured
s.d.	single distilled
S. E.	southeast
sec.	secondary
secs.	seconds
s.g.	specific gravity
ship't	shipment
soln.	solution
s.u.	standard unit
syn.	synthetic
tanks.	railroad tankcars
tech.	technical
tert-	tertiary
t.l.	truck loads
t.w.	tank wagons
USP	U. S. Pharmacopoeia
vis.	viscosity
VM&P	varnish makers & painters
w. w.	west
W.	warehouse
whse.	water-white

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown gives the price of 2,000 pounds of the material.

Acid, desoxycholic, fib dms., 100-lb. lots lb. 14.00 - —
Dichlorophenoxyacetic (see under D 2,4 D)
Diethylbarbituric (see Barbital)
Diglycolic bgs. works lb. .14 - —
2-ethyl hexoic, dms., c.l., works lb. .36½- —
l.c.l., works lb. .37½- —
tanks, works lb. .34½- —
F, crude, paste, bbls. works lb. 2.10 - —
Folic, bots., fib cns kilo lots or more gram. 1.40 - —
Formic, 85%, cbys., c.l., works lb. .1370- —
l.c.l., works lb. .1620- .1720
90%, cbys., c.l., works lb. .1625- —
l.c.l., works lb. .1675- .1775
Fumaric tech., bgs., dms lb. .27 - .28
Gallic, NF VII bots. 1,000-lb lots lb. 1.80 - —
smaller lots lb. 1.82 - 2.00
tech., bbls., 1,000-lb. lots lb. 1.38 - —
smaller lots lb. 1.82 - 2.00
Gamma, dry, grd. bbls., frt. alld. lb. 1.50 - —
paste, bbls., frt alld lb. 1.45 - —
Gentisic, 100-lb fib dms lb. 8.50 - —
Gluconic, tech., 50% bots lb. .25 - .35
cbys. lb. .19 - —
dms. lb. .15½- —
l-Glutamic, 99½% fib. dms., 100 lb lots works lb. 2.45 - 2.53
25 lb lots, works lb. 2.54 - 2.60
Glycerophosphoric, 35%, dms., works lb. 2.25 - 2.35
Glycolic (see Acid hydroxyacetic).
H, dry, bbls., c.l., works, 100% basis lb. 1.00 - —
l.c.l., same basis lb. 1.02 - —
Hydriodic, 1.50 s.g., cbys lb. 2.94 - —
1.70 s.g., cbys lb. 3.23 - —
Hydrobromic, medicinal, 48%, cbys. dlvd E lb. .37 - .43
Hydrochloric, anhyd (see Hydrogen chloride).
18° cbys., c.l., works 100 lbs. 2.50 - —
t.c.l., dlvd Metropolitan area 100 lbs. 2.90 - 3.05
tanks, works, frt equald ton. 28.00 - —
20°, cbys., c.l., works 100 lbs. 2.75 - —
t.c.l. dlvd Metropolitan area 100 lbs. 3.15 - —
tanks, works, frt equald ton. 30.00 - —
22°, cbys., c.l., works 100 lbs. 3.25 - —
t.c.l. dlvd Metropolitan area 100 lbs. 3.65 - —
tanks, works, frt equald ton. 35.00 - —
CP, USP consumers, cbys., extra c.l. works lb. 11¾- —
t.c.l., same basis lb. .13¼- .13¾
5-pint bots., extra, cs., c.l., same basis lb. .16¾- —
t.c.l., same basis lb. .18¼- .19¼

Acid, hydrofluoric, CP, USP prices to dealers 1 2c per lb. less.

Hydrocyanic, cyls. frt alld lb. 75 - 95
dilute NF, 2%, 5-lb. bots lb. .40 - —
Hydrofluoric, anhyd. (see Hydrogen fluoride).
tanks, works lb. .21 - —
70%, steel dms., works lb. .18½- .22½
Hydrofluosilicic, dms., works, 30% basis lb. .06 - —
Hydroxyacetic, tech., 70%, non-ret. bbls., Phila., 100% basis lb. .136 - —
tanks, Belle, W. Va., 100% basis lb. .095 - —
Hypophosphorus, purif., 50%, cbys lb. 1.30 - 1.32
USP, cbys lb. .88 - —
Isonicotinic, 100 lb fib dms. works lb. 5.00 - —
Itaconic, fib dms., c.l., works lb. .59 - —
l.c.l., works lb. .60 - —
Hydrazide (see Isoniazid).
J, bbls., works, 100% basis lb. 2.50 - 2.85
Koch, bbls., frt. alld lb. 1.00 - —
L, bbls., works lb. 1.25 - —
Lactic, edible, 50%, bbls., 20 or more lb. .1754- .215
smaller lots lb. .1854- .225
80%, bbls., 5 or more lb. .3054- .37
smaller lots lb. .3104- .375
plastic grade 50%, bbls., 20 or more, works lb. .23 - —
1 to 19 lb. .235 - —
80%, bbls., 5 or more lb. .385 - —
tech., 22%, bbls., c.l., works 100 lbs. 6.30 - —
t.c.l., works 100 lbs. 6.70 - —
cbys., l.c.l., works 100 lbs. 12.20 - —
44%, bbls., c.l., works 100 lbs. 11.45 -11.95
l.c.l., works 100 lbs. 11.85 -12.35
USP, 85%, cbys. lb. .85 - .88
Laurent's, bbls lb. .60 - —
Lauric, dms lb. .35½- .37½
Linseed oil, dist., dms. lb. .1875- —
w.w., dms. lb. .2175- —
Maleic, cryst., powd. dms lb. .37 - .38
Malic, tech., dms lb. .70 - —
Mandelic, NF, dms., 1,000-lb. lots. lb. 2.35 - —
smaller lots lb. 2.40 - 2.50
Metanilic, dms., works lb. .57 - .75
Methacrylic, glacial, 99%, dms., truckloads, works lb. .54½- —
smaller lots, works lb. .55 - —
Molybdic, 85-92%, dms., works lb. 1.32 - —
Monochloroacetic purif. (see Acid, Chloroacetic mono-).
Muriatic (see Acid, hydrochloric).
Myristic, dms lb. 28 - 29¼
1-Naphthol-4-sulfonic (see Acid, Nevile and Winthers).
1-Naphthol-5-sulfonic (see Acid, L).
1-Naphthol-3-sulfonic, 8-amino (see Acid, S).
1-Naphthol-3,6-disulfonic, 8-amino (see Acid, H).
2-Naphthol-6,8-disulfonic (see Acid, Gamma).
5-Naphthol-7-sulfonic, 2-amino (see Acid, J).
Naphtholsulfonic, mixed (see Acid, Cleve's).
1-Naphthylamine-3-sulfonic (see Acid, Laurent's).
2-Naphthylamine-4,8-disulfonic (see Acid, Cassella).
2-Naphthylamine-6-sulfonic (see Acid, Broenner's).
2-Naphthylamine-7-sulfonic (see Acid, F).
2-Naphthylamine-1-sulfonic (see Acid, Tobias).

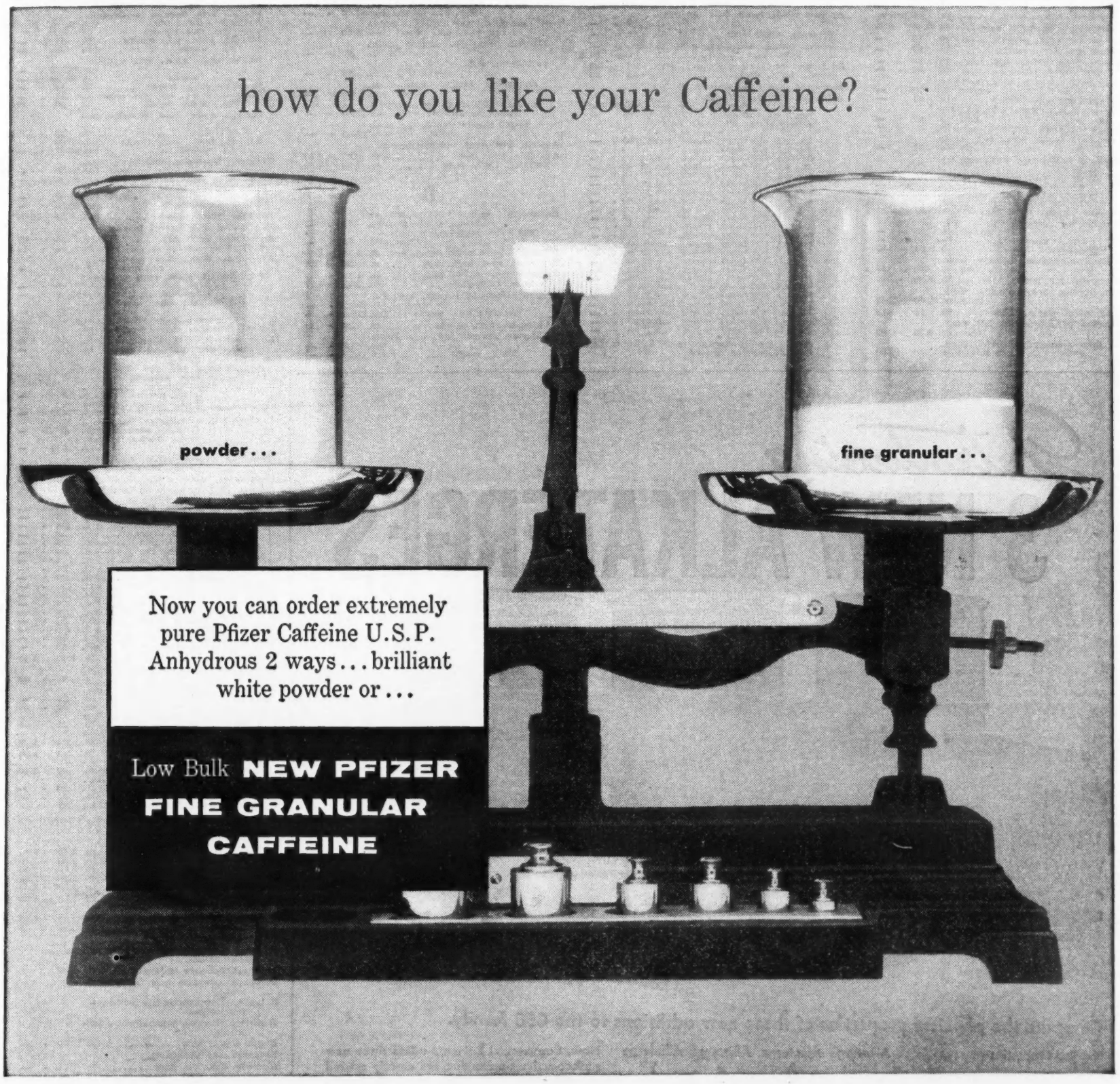
Acid, Nevile and Winther's—Aniline Salt

Acid, Nevile and Winther's, dms., frt. alld lb 1.20 — —
Nicotinic, USP, dms., frt. adjusted kilo 8.00 - 8.30
Amide, USP, (see Nicotinamide)
Nitric 36° Be chys., c.l., works, E 100 lbs. 5.75 — —
l.c.l., works, E 100 lbs. 6.05 6.85
38° Be chys., c.l., works, E 100 lbs. 6.25 — —
l.c.l., works, E 100 lbs. 6.55 7.35
40° Be, chys., c.l., works, E 100 lbs. 6.75 — —
l.c.l., works, E 100 lbs. 7.05 7.85
42° Be chys. c.l., works, E 100 lbs. 7.25 — —
l.c.l., works, E 100 lbs. 7.55 8.35
58.5 to 68% HNO_3, tanks, works, 100% basis 100 lbs. 3.90 - —
94½ to 95½% HNO_3, tanks, works, 100% basis 100 lbs. 4.90 - —
CP NF, consumers, chys., extra c.l., works lb. .13½- —
l.c.l., same basis lb. .11¼- .11¾
5-pt. bots., extra, cs., c.l., same basis lb. .17½- —
l.c.l., same basis lb. .14¾- .20¾
p-Nitrobenzoic, dms., c.l., works lb. 72 — —
l.c.l., works lb. 73 — —
Oleic, s.d., dms lb. .18 - .20
tanks .16 -
dbl. dist. (white), dms lb. .20½- .22½
tanks lb. .1850- —
Oleum (see Acid, sulfuric, fuming)
Orthochlorobenzoic (see Acid, o-Chlorobenzoic).
Orthocresotinic (see Acid, 2,3-Cresotic).
Oxalic, bbls., c.l., works lb. .16½- —
10,000-lb. lots, works lb. .16¾- —
smaller lots, works lb. 17¾- —
h-Oxynaphthoic, bbls., works lb. 1.14 - —
Palm oil, dbl., dist., dms lb. .14¼- .16¼
Para-aminobenzoic (see Acid, p-Aminobenzoic)
Para-aminosalicylic (see Acid, p-Aminosalicylic).
Parachlorobenzoic (see Acid, p-Chlorobenzoic)
Paramethylphenylcinchonic (see Neocinchophen)
Paranitrobenzoic (see Acid p-Nitrobenzoic)
Paratoluidinmetasulfonic (see Acid, p-Toluidine m-sulfonic)
Phenylacetic, pure, cryst. cns. lb 75 - 1.70
Phenylcinchoninic (see Cinchophen).
Phenylglycolic (see Acid, mandelic).
Phosphoric, food grade, 75% chys., c.l., frt. alld E 100 lbs. 6.50 - —
l.c.l., works 100 lbs. 7.25 - —
tanks, works 100 lbs. 5.10 - —
NF, 85%, chys., c.l., works lb. .08 - —
l.c.l., works lb. .08½- —
Picric, NF, bbls. lb. .60 - —
tech., bbls. lb. .34 - .35
Propionic, syn., pure, dms., c.l., works lb. .21 - —
l.c.l., works lb. .22 - —
tanks, works lb. .19 - —
Pyrogallic, NF, (see Pyrogallol).
tech., bbls lb. 2.76 - 2.99
Ricinoleic (see Acid, castor oil, split).
S., bbls., works lb. 3.25 - —
Salicylic, crude, fib. dms., c.l. lb. .35 - —
l.c.l., same basis lb. .36 - —
sublimed, tech., fib. dms., c.l. lb. .37 - —
l.c.l. lb. .41 - —
USP, cryst., fib. dms lb. .48 - —
powd., fib. dms lb. .55 - —
Sebacic, purif., dms., c.l., works. lb. .64 - —
l.c.l. works lb. .66 .70
Soybean oil, dbl. dist., dms lb. .17¾- .19¾
tanks lb. .15¾- —
s.d., dms lb. .16¼- .18¼
tanks lb. .14¼- —
Stearic, dbl. pressed, bgs lb. .14¾- .16¾
single pressed, bgs lb. .14¼- .16¼
triple pressed, bgs lb. .17 - .19
Succinic purif., cryst., bbls., works lb. .62 - .75
Sulfanilic, tech., dms. c.l., frt. alld lb. .19 - —
l.c.l. frt alld lb. .21 - —
Sulfuric, 60° Be, chys., c.l., works 100 lbs 2.00 - —
l.c.l., works 100 lbs 2.45 - —
tanks, works ton.18.60 - —
66° Be, chys., c.l., works, 100 lbs 2.23 - —
l.c.l., works 100 lbs. 2.55 - 3.35
tanks, works ton.22.35 - —
98%, tanks, works ton.23.50 - —
99-100%, tanks, works ton.23.95 - —
CP, NF, consumers, chys. extra, c.l., works, frt. equald lb. .09¾- —
l.c.l., same basis lb. .11¼- .11¾
5-pt. bots., extra cs., c.l., works, frt. alld lb. .13¼- —
l.c.l., same basis lb. .14¾- .20¾
fuming (oleum), 20%, tanks, works ton.25.00 - —
40%, tanks, works ton.29.00 - —
65% tanks, works ton.39.50 - —
Tallow, dist., dms lb. .14¾- .16¾
hydrogenated, bgs lb. .13¾- .15¾
Tannic, NF, fluffy, bbls., 1,000-lb. lots lb. 1.80 - —
smaller lots lb. 1.81 - 1.85
powd., bbls., 1,000-lb. lots lb. 1.70 - —
smaller lots lb. 1.71 - 1.76
tech dms lb. .93 - —
Tartaric, USP, dom., 230 or 250-lb. dms., c.l. lb. .44 - —
10,000-lb. lots, 1 shipt lb. .44½- —
smaller lots lb. .45 - —
100-lb. dms lb. .46 - —
small, dms. lb. .48 - .54
tmp., bgs lb. .38 Nom.
Thioglycolic, refd., chys., 100% basis lb. 1.35 - 1.55
Tobias, bbls., frt. alld lb. .77 - —
Toluenesulfonic, dms., c.l., works, lb. .16 - —
l.c.l., works lb. .17½- —
p-Toluene sulfonic, monohydrate, dms., c.l., or t.l lb. .90 - —
125 lbs. to t.l. lb. 1.00 - —
p-Toluidine-m-sulfonic, bbls., works lb. .92 1.04
Trichloroacetic, bots. lb 2.50 2.50
Trichlorophenoxyacetic (see under "T" 2,4,5T)
Tungstic, tech., kgs., works lb 4.25 - —
Undecylenic, dms lb 1.40 - —
Aconite root, bls lb. .50 - .55
Acrolein, tech., dms., c.l., works lb. .47 - —
l.c.l., works lb. .47½- —
Acrylonitrile, dms., c.l., t.l., works, lb. .30 - —
l.c.l., l.t.l., works lb. .31 - —
tanks, works lb. .27 - —
ACTH, cryst., bulk, 1,000 units/gram, bots gram 15.00 - —
Adeps lanae (see Lanolin).
Adrenocorticotropic hormone (see ACTH).
Agar, USP Kobe No. 1, strip bls. lb. 3.00 - 3.25
powdered, 30 mesh fib., dms lb 3.40 3.50
dl-Alanine, dms., works lb 8.50 -11.00
Albumin, blood, dark (see Blood, dried, soluble).
light, dms l.c.l lb 65 90
Egg, edible, flake, bbls lb. 1.64 - 1.66
powd., cryst., bbls lb. 1.68 - 1.70
tech., cryst., bbls lb. .70 - .85

Alcohol, allyl, dms., c.l., dlvd lb. .32 - —
l.c.l., dlvd lb. .33 - —
tanks, dlvd lb .30 - —
Amyl, ex fusel oil (see Fusel oil, refd.)
ferment., refd., 128°-132°C., dms., l.c.l., dlvd lb. .43 - —
ACS grade, dms., c.l., dlvd lb. .45 - —
ex-pentane, mixed, amyls, dms., c.l., frt. alld lb. .17 - —
l.c.l., frt. alld lb. .18 - —
tanks, frt. alld lb. .15 - —
primary, dms., c.l., frt. alld. lb. .19¼- —
l.c.l., frt. alld lb. .20¼- —
tanks, frt. alld lb. .17¼- —
sec-synthetic, dms., c.l., works, frt. alld lb. .18 - —
l.c.l., works lb. .19 - —
tanks, works lb. .16 - —
tert-synthetic, dms., c.l., frt. alld, E lb. .17 - —
l.c.l., frt. alld, E lb. .18 - —
tanks, frt. alld, E lb. .15 - —
1-pentanol, (syn normal), dms., c.l., works lb. .42 - —
l.c.l., works lb. .43½- —
tanks, works lb. .40 - —
2-pentanol, dms., c.l., works lb. .65 - —
l.c.l., works lb. .70 - —
tanks, works lb. .60 - —
Benzyl, NF, dms lb. .64 - .79
tech., dms., dlvd lb. .47½- .49
n-Butyl, ferment., dms., c.l., frt. alld lb. .15 - —
l.c.l., frt. alld lb. .16 - —
tanks, frt. alld lb. .13 - —
n-synthetic, dms., c.l., dlvd. lb. .15 - —
l.c.l., dlvd lb. .16 - —
tanks, dlvd lb. .13 - —
sec-synthetic, dms., c.l., dlvd. lb. .13 - —
l.c.l., dlvd lb. .14 - —
tanks, dlvd lb. .11 - —
tert-synthetic, dms., c.l., frt. alld. lb. .14 - —
l.c.l., frt. alld lb. .15 - —
tanks, frt. alld lb. .12 - —
Capryl, 95%, dms., c.l., works lb. .21½- —
l.c.l., works lb. .22½- .23½
tanks, works lb. .19½- —
Cetyl, extra no. cns., 500-lb. lots or more lb. .73 — —
smaller lots lb. .80 1.15
NF, fib. cns., 140-lb. lots or more lb. .58 .82
smaller lots lb. .59 .82
Cinnamic, bots lb. 2.15 2.75
Decyl, mixed isomers, dms., c.l., dlvd. lb. .23 - —
l.c.l., dlvd. lb. .24 - —
tanks, dlvd. lb. .21 - —
normal (see 1-Decanol).
Denat., CD12, CD13, CD14, CD17, dms., c.l., dlvd. E. of Rockies gal. .54½- —
l.c.l., same basis, gal. .59½- .65½
tanks, dlvd. same basis, gal. .41½- —
Tankcar sales require written authorization by Alcohol and Tobacco Tax Div.
Proprietary solvent, dms., c.l., dlvd. E. of Rockies gal. .56 — —
l.c.l., same basis gal. .61 - .67
tanks, same basis gal. .43 — —
Tankcar sales require written authorization by Alcohol and Tobacco Tax Div.
SD1, dms., c.l., dlvd. E. of Rockies gal. .55½- —
l.c.l., same basis gal. .60½- .66½
tanks, same basis gal. .42½- —
SD2B, dms., c.l., dlvd. E. of Rockies gal. .54 - —
l.c.l., same basis gal. .59 - .65
tanks, same basis gal. .41 - —
SD3A, dms., c.l., dlvd. E. of Rockies gal. .53 - —
l.c.l., same basis gal. .58 - .64
tanks, same basis gal. .40 - —
SD23A, dms., c.l., dlvd. E. of Rockies gal. .55½- —
l.c.l., same basis gal. .60½- .66½
tanks, same basis gal. .42½- —
SD23H, dms., c.l., dlvd. E. of Rockies gal. .56 - —
l.c.l., same basis gal. .61 - .67
tanks, same basis gal. .43 - —
SD29, dms., c.l., dlvd. E. of Rockies gal. .54½- —
l.c.l., same basis gal. .59½- .65½
tanks, same basis gal. .41½- —
SD30, dms., c.l., dlvd. E. of Rockies gal. .53 - —
l.c.l., same basis gal. .58 - .64
tanks, same basis gal. .40 - —
SD35A, dms., c.l., dlvd. E. of Rockies gal. .56 - —
l.c.l., same basis gal. .61 - .67
tanks, same basis gal. .43 - —
SD40, dms., c.l., dlvd. E. of Rockies gal. .54 - —
l.c.l., same basis gal. .59 - .65
tanks, same basis gal. .41 - —
West coast dlvd. prices are the same as eastern prices, except in Idaho, Montana, Oregon and Washington, where a 5c. differential on tankcars is maintained.
Diacetone, acetone-free, dms., c.l., dlvd lb. .14 - —
l.c.l., dlvd lb. .15 - —
tanks, dlvd lb. .12 - —
tech., dms., c.l., dlvd lb. .13½- —
l.c.l., dlvd lb. .14½- —
tanks, dlvd lb. .11½- —
Ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd, E. of Rockies gal.20.48 - —
l.c.l., same basis gal.20.53 -20.59
tanks, same basis gal.20.35 - —
tax free, dms., c.l., dlvd, E. of Rockies gal. .53 - —
l.c.l., same basis gal. .58 - .64
tanks, same basis gal. .40 - —
absolute, 200 pf., tax paid, dms., c.l., dlvd. E. of Rockies, gal.21.58 - —
l.c.l., same basis gal.21.63 -21.69
tanks, same basis gal.21.45 - —
2-Ethylbutyl, dms., c.l., works lb. .29½- —
l.c.l. works lb. .30 - —
tanks, works lb. .28 - —
2-Ethylhexyl, dms., c.l., dlvd. E. lb. .23¾- —
l.c.l., same basis lb. .24¾- —
tanks, same basis lb. .21¾- —
Furfuryl, cns., works lb. .29 - —
dms., c.l., Cedar Rapids, Ia lb. .21 - —
Newark, N. J. lb. .21½- —
l.c.l., Cedar Rapids, Ia lb. .22 - —
Newark, N. J lb. .22½- —
tanks, Memphis, Tenn lb. .184 - —
Hydroabietyl, tech., soild, Zone 1, dms., c.l., dlvd. lb. .27 - —
l.c.l., dlvd lb. .27½- —
tanks, dlvd lb. .25 - —
Isoamyl, dms., c.l., works, frt. alld. E. lb. .34 - —
l.c.l., same basis lb. .35 - —
tanks, same basis lb. .32 - —
Isobutyl, dms., c.l., dlvd lb. .14 - —
l.c.l. dlvd lb. .15 - —
tanks, dlvd lb. .12 - —
Iso-octyl, dms., c.l., dlvd. E lb. .23 - —
l.c.l. dlvd. E lb. .24 - —
tanks, dlvd. E lb. .21 - —

Alcohol, isopropyl, refd., 91%, dms., c.l., dlvd. gal. .48 - —
l.c.l., dlvd gal. .55 - —
tanks, dlvd. gal. .35 - —
95%, c.l., dlvd gal. .50 - —
l.c.l., dlvd gal. .57 - —
tanks, dlvd gal. .37 - —
99%, dms., c.l., dlvd gal. .52 - —
l.c.l., dlvd gal. .59 - —
tanks, dlvd gal. .39 - —
Lauryl, bots. lb. 2.00 - 2.50
Methyl (see Methanol).
Methylamyl (see Carbinol, methylisobutyl).
Octyl, perfumer's grade, bots. lb. 1.75 - 3.25
tech. (see Octanol, normal).
2-Phenylethyl, extra, dms lb. 1.14 - 1.45
standard, dms. lb. 1.18 - 1.48
n-Propyl, dms., c.l., dlvd lb. .12 - —
l.c.l., dlvd lb. .13 - —
tanks, dlvd lb. .10 - —
Tetrahydrofurfuryl, cns., Cedar Rapids, Iowa lb. .54 - —
dms., c.l., Niagara Falls, N. Y. lb. .44½- —
l.c.l., Newark, N. J., Cedar Rapids, Ia lb. .47 - —
tanks, Niagara Falls, N. Y. lb. .43 - —
Indust. grade, dms., c.l., Niagara Falls, N. Y lb. .305 - —
l.c.l., Newark, N. J., Cedar Rapids, Ia lb. .33 - —
tanks, Niagara Falls, N. Y. lb. .29 - —
Tridecyl, mixed isomers, dms., dlvd. lb. .26 - —
l.c.l., dlvd lb. .27 - —
tanks, dlvd lb. .24 - —
Wood (see Methanol).
Aldol, 95%, dms., works lb. .23 - —
denaturing grade, dms gal. 2.15 - —
Aldrin, tech., fib. dms., c.l., t.l., dlvd lb. .80 - —
l.c.l., dlvd lb. .85 - —
Aletris root, bgs lb. 1.75 - 1.85
Algin (see Sodium alginate).
Allethrin, 90%, dms., frt. alld lb. 28.80 -28.90
soln., 20%, dms., 200-2,000 lb. lots, frt. alld lb. 6.50 - 6.55
2½%, dms., frt. alld lb. .95 - 1.00
Allspice (see Pimento).
Allyl bromide, chys., works lb. 1.35 - 1.40
Chloride, dms., c.l., dlvd lb. .17 - —
l.c.l., dlvd lb. .18 - —
tanks, dlvd lb. .15 - —
Starch, solid, dms., works lb. .52¾- .54¾
solution, 40%, toluol-butanol, dms., works lb. .25½- .26¼
Aloe, Cape, cs lb. .45 - .48
powd., cs. lb. .50 - —
Curacao, kgs. lb. .50 - .55
Aloin, USP, bbls., dms., kgs lb. 3.75 - 3.82
Alphanaphthol (see a-Naphthol).
Alphanaphthylamine (see a-Naphthylamine).
Alphanitronaphthalene (see a-Nitronaphthalene).
Alphapicoline (see a-Picoline).
Alphaterpineol (see a-Terpineol).
Alphatocopherol (see a-Tocopherol).
Alum, ammonium, gran., bgs., works 100 lbs. 4.30 - —
lump, dms., works 100 lbs. 5.05 - —
powd., dms., works 100 lbs. 5.20 - —
USP, burnt, dms lb. .20 - .21
hydrous, dms. lb. .07¾- .08
Potassium, gran., bgs., works, 100 lbs. 4.55 - —
lump, dms., works 100 lbs. 5.30 - —
powd., dms., works 100 lbs. 5.45 - —
USP, burnt, dms lb. .20 - .21
hydrous, dms lb. .07¾- .08
Potash-chrome, dms lb. .17 - —
Sodium, dms., c.l., works 100 lbs. 4.60 - —
l.c.l. works 100 lbs. 5.00 - —
Alumina, calcined, bgs., c.l., works, lb. .0385- —
l.c.l., works lb. .0410- .0510
Aluminum acetate, basic soln., 24°, bbls., l.c.l., works lb. .14 - —
Chloride, coml., anhyd., dms., c.l., works, frt. equald lb. .15 - —
l.c.l., works, frt. equald, lb. .1550- —
cryst., dms., c.l., works lb. .1450- —
l.c.l., works lb. .1500- —
soln., 32°, chys., c.l., works lb. .0445- —
l.c.l., works lb. .0520- .1295
tanks, works 100 lbs. 3.45 - —
NF, gran., dms., works lb. .29 - .30
Fluoride, tech., anhyd., bgs., c.l., works lb. .15¾- —
l.c.l., works lb. .16¾- .18¾
Aluminum fluoride in fib. dms. 0.35c. per lb. higher.
Formate, basic soln., chys lb. .09½- —
l.c.l., works lb. .10 - —
Hydrate, heavy bgs., c.l., frt. equald lb. .0285- —
2,000-20,000 lb. lots, same basis lb. .041 - —
bulk, same basis lb. .026 - —
light, bgs., dlvd lb. .17 - —
Hydroxide, gel, pharmaceutical, 14-15% Al_2O_3, fib. dms., works lb. .22 - —
contract, works lb. .21 - —
9-9½% Al_2O_3, fib. dms., works lb. .19 - —
contract, works lb. .18 - —
dried, USP, XIV, fib. dms., works lb. .82½- —
contract, works lb. 79½- —
tech., powder (see Aluminum hydrate),
Metal, 99%+, ingots, 10,000-lb. lots, frt. alld lb. .2440- —
pigs, 10,000-lb. lots, frt. alld. lb. .2250- —
Oxide, amorphous (see Alumina, calcined).
Paste, lining, extra-fine, dms lb. .65½- —
standard grade, dms lb. .45½- —
Powder, lining, extra, fine, dms, lb. 1.05½- —
standard grade, dms lb. .75 - —
Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs. and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S. a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.
Resinate, precip., 2.1% Al, dms., frt. alld lb. .30½- —
Stearate, dibasic, ctns., c.l. lb. .33 - —
l.c.l. lb. .34 - .37
monobasic, ctns., c.l. lb. .33 - —
l.c.l. lb. .34 - .37
tribasic, ctns., c.l. lb. .33 - —
l.c.l. lb. .34 - .37
Sulfate, coml., bulk, c.l., works, 100 lbs. 1.85 - —
grd., bgs., c.l., works ton.37.00 - —
lump, bgs., c.l., works ton.40.00 - —
Iron-free, bgs., c.l., works, frt. equald 100 lbs. 3.55 - —
l.c.l., works, frt. equald, 100 lbs. 3.95 - —
Prices $1 per ton higher in the south.
USP, gran., dms., works lb. .16 - .18
powd., dms., works lb. .36 - .37
Trihydrate, heavy (see Aluminum hydrate, heavy).
Ambergris gray, bots oz. 8.00 -10.00
Aminoazotoluene, base, bbls., 100% basis lb. 1.03 - 1.18

o-Aminobiphenyl, dms., c.l., works lb. .32½- —
l.c.l., works lb. .33 - —
tanks, works lb. .31 - —
Aminoethyl ethanolamine, dms., c.l., dlvd lb. .46½- —
l.c.l., dlvd. lb. .45 - —
tanks, dlvd lb. .45 - —
2-Amino-2-methyl-1-propanol, cns., dms., l.c.l., works lb. .60 - —
m-Aminophenol, dist., dms., ton lots. lb. 2.05 - —
smaller lots lb. 2.50 - —
p-Aminophenol, dms., frt. alld lb. .97 - .98
Aminophylline, USP, 100-lb. dms lb. 3.55 - —
Ammonia, anhyd., fertilizer, tanks, works, frt. equald ton.85.00 - —
refrigeration, tanks, works, frt. equald ton.87.50 - —
aqueous (29.4% NH_3), dms., c.l., dlvd. Metropolitan area 100 lbs. 3.60 - —
l.c.l., works 100 lbs. 4.00 - —
tanks, works, anhyd. basis ton.88.00 - —
Ammoniacal liquor (see Ammonia, aqueous).
Ammoniac, sal, gray, bgs., c.l., works, frt. equald 100 lbs. 8.25 - —
l.c.l., same basis 100 lbs. 8.65 -11.15
white, gran. (see Ammonium chloride, tech.)
Ammonium acetate, purif., dms lb. .33 - —
Benzoate, USP, dms., kgs., 4,000-lb. lots, frt. alld lb. .80 - —
smaller lots, frt. alld lb. .81 - 1.08
Biborate, gran., dms., c.l., works, ton.319.50 - —
ton lots, ex whse ton.395.00 - —
smaller lots, ex whse ton.400.00 - —
Bicarbonate, dom., dms., c.l., works 100 lbs. 6.50 - —
l.c.l., works 100 lbs. 8.00 - —
tmp., dms., l.c.l. lb. .07¼- .08½
Bichromate, dms., works lb. .42 - .43
Bifluoride, dms., dlvd lb. .2145- .2245
Bromide, NF, gran., bbls lb. .40 - —
Powdered ammonium bromide 10c. per lb. higher.
Carbonate, USP, lump, dms lb. .16 - —
Chloride, tech., white, gran., fines, bgs., c.l., works 100 lbs. 5.25 - —
l.c.l., works 100 lbs. 7.00 - —
USP, gran., bbls., dms lb. .17¼- —
Citrate, dibasic, bbls lb. .75 - —
dms. lb. .80 - .85
Dichromate (see Ammonium bichromate).
Fluoride (see Ammonium bifluoride).
Hydroxide (see Ammonia, aqueous).
Hypophosphite, NF, dms lb. 3.07 - —
Iodide, NF, dms., bots lb. 4.26 - 4.38
Linoleate, 80%, dms., works lb. .50 - .55
Nitrate, dom., fertilizer grade, 33.5% N., bgs., western, works, frt. equald ton.68.00 - —
with dolomite, 20.5%N, bgs., Hopewell, Va ton.51.00 - —
tmp., Canadian, 33.5% N, eastern, bgs., c.l., ship't point, frt. equald to $8 per ton. ton.70.00 - —
western, bgs., c.l., f.o.b. cars, Los Angeles ton.84.89 - —
Oxalate, fine gran., dms lb. .26½- .31
Pentaborate, gran., bgs., c.l., works ton.187.50 - —
ton lots, ex whse ton.271.50 - —
smaller lots, ex whse ton.276.50 - —
Ammonium pentaborate powder, $10 per ton higher
Perchlorate, kgs., works lb. .50 - .75
Persulfate, kgs. lb. .46½- .47¼
Phosphate, coml., bgs., c.l., works, frt. equald lb. .0365- —
l.c.l. same basis lb .09 - —
dibasic, NF, V bbls., dms. lb. .46 - —
tech., bgs. c.l. works, frt. equald lb. .0365- —
l.c.l., same basis lb. .0915- —
Salicylate, NF, dms., kgs lb. 1.62 1.64
Silicofluoride, dms., works lb. .11 - .12
Sulfamate, bgs., c.l., t.l., works, lb. .18 - —
l.c.l., works lb. .22 - —
Sulfate, coke-oven, bulk, producing ovens, base price ton.42.00 -47.00
Aug.-Sept. shipt ton.40.00 -45.00
Oct.-Dec. shipt ton.41.00 -46.00
syn., bgs., c.l., western, works ton.44.00 - —
bulk, works ton.42.00 - —
purif., dms., works lb. .09 - .09¼
Sulfide, liq., 40-44%, dms., c.l., frt. equald., 100% basis. ton.240.00 - —
l.c.l., works, 100% basis. ton.300.00 - —
tanks, frt. alld., 100% basis. ton.180.00 - —
Sulfocyanide, tech. (see Ammonium thiocyanate).
Thiocyanate, tech., dms., c.l., works lb. .20 - —
l.c.l., works lb. .22 - .26
Thioglycollate, coml., chys., 100% basis lb. 1.35 - 1.55
highly purif., chys., 100% basis. lb. 1.70 - 1.96
Thiosulfate, cryst., photo grade, fib. dms., frt. alld lb. .65 - —
60% soln., dms., c.l., works lb. .06½- —
d-Amphetamine hydrochloride dibasic, bots lb. 28.00 - —
dl, dms lb. 6.00 - —
d-monobasic, bots lb. 28.00 - —
d-Phosphate, dibasic, bots lb. 28.00 - —
dl, dms lb. 6.00 - —
d-Sulfate, dms lb. 28.00 - —
dl, dms lb. 6.00 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., frt. alld. E. of Rockies lb. .22 - —
l.c.l., same basis lb. .23 - —
tanks, same basis lb. .20 - —
syn., oxo process, dms., c.l., dlvd lb. .19½- —
l.c.l., dlvd lb. .20½- —
tanks, dlvd lb. .17½- —
ex pentane, reg., dms., c.l., dlvd lb. .17 - —
l.c.l., dlvd lb. .18 - —
tanks, dlvd lb. .15 - —
tech., dms., c.l., dlvd lb. .15 - —
l.c.l., dlvd lb. .16 - —
tanks, dlvd lb. .13 - —
Alcohol (see Alcohol amyl).
n-butyrate, dms. lb. .90 - 1.28
Cinnamic, aldehyde, dms lb. 1.75 - 2.20
Nitrite, USP, bots lb. 1.75 - 1.83
Salicylate, cns., dms lb. .74 - 1.05
o-tert-Amyl phenol, dms., c.l., works, lb. .48 - —
l.c.l., works lb. .49 - —
tanks, works lb. .46 - —
p-tert-Amyl phenol, dms., c.l., works. lb. .24¾- —
l.c.l., works lb. .25¾- —
tanks, works lb. .23¾- —
Anethole, NF, cns., dms lb. 1.85 - —
tech., dms lb. 1.10 - —
Angelica root, dom., bls lb. .60 - .70
Aniline oil, dms., c.l., works, frt. alld lb. .21 - —
l.c.l., works, frt. alld lb. .22 - —
tanks, works, frt. alld lb. .20 - —
Salt, dms., c.l., truckloads, 20,000 lbs., min., frt. alld lb. .31 - —
l.c.l., same basis lb. .33 - —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powder...
fine granular...
Now you can order extremely pure Pfizer Caffeine U.S.P. Anhydrous 2 ways... brilliant white powder or...
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● Do you use Caffeine in formulating headache, neuralgia or cold remedies... use it in any tablet, capsule or liquid products?

For tablets and capsules, the new *fine granular* form of Pfizer Caffeine *costs no more* and offers you these four advantages that are worth considering:

1. It's denser—you require less bulk to fill your needs.
2. It's free-flowing—you speed handling and production.
3. It's virtually non-dusting—you reduce manufacturing losses.
4. It fills evenly—you control product uniformity more easily.

Whatever form of Caffeine you need, Pfizer has it... Hydrous Caffeine U.S.P. Powder, Caffeine Citrated N.F. Powder, and Caffeine Anhydrous U.S.P.—either as a powder or in the new fine granular form.

All forms of Pfizer Caffeine are produced by a special Pfizer-developed process that gives unsurpassed purity and quality, and a clean, sharp taste.

You get Pfizer Caffeine packed in drums of 5, 25 and 100 lbs. And you get fast delivery, too, because Pfizer Caffeine is stocked at warehouses that cover the map—East, West, Central or South!

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Branch Offices: Chicago, Ill.; San Francisco, Calif., Vernon, Calif.; Atlanta, Ga.

Anise Seed—Black, Graphite

Anise seed, Mexican, bgs. ..... lb. .30 - —
Spanish, bgs. ..... lb. .29 - .30
Syrian, bgs. ..... lb. No prices.
Anisic aldehyde, bots., dms. ..... lb. 1.80 2.70
o-Anisidine, dms., works ..... lb. .88 - —
p-Anisidine, dms., works ..... lb. .97 - —
Annatto seed, whole, bgs. ..... lb. .24 - —
powd., dms. ..... lb. .28 - —
Anthracene, 90-95% bbls., ton-lots, works lb. .70 - —
smaller lots, works lb. .95 - —
Anthraquinone, 99.5%, bbls. c.l., frt. alld lb. .83 - —
l.c.l., same basis ..... lb. .86 - —
electrical grade, bbls., l.c.l., same basis lb. .91 - —
Antimony butter (see Antimony trichloride)
Metal, bulk, c.l., mines ..... lb. .33 - —
cs., c.l., mines ..... lb. .33½ - —
Oxide, bgs., c.l., frt. alld ..... lb. .27 - .29
l.c.l., frt. alld ..... lb. .28½ - .30½
Sulfide, approx. 65%, bgs., dlv'd lb. .28½ - .31½
Trichloride, anhyd., pails, c.l., works lb. .38½ - —
l.c.l., works ..... lb. .40½ - —
USP, powd., dms ..... lb. .64 - .65
Antimony-potassium tartrate, tech., powd., dms lb. .60½ - .65½
Antipyrine, NF, 200-lb. bbls. ..... lb. 3.50 - —
Apomorphine hydrochloride, USP, bots. oz. 23.40 -23.90
Areca nuts, powd., bbls. ..... lb. .15 - .16
Arecoline hydrobromide, NF, bots., tins oz. 4.50 - 6.00
l-Arginine monohydrochloride, dms., 1 kilo lots kilo. 74.00 -83.00

Arnica flowers (true montana), bls. lb. 3.00 Nom.
Arsenic metal, lump, bbls., ex whse. lb. .54 - —
Trioxide, USP, dms ..... lb. .48 - —
White, powd., bbls., c.l., dlvd lb. .05½ - —
l.c.l., dlvd ..... lb. .06½ - .07½
Asafetida, cs ..... lb. .36 - .39
powd., bbls., dms ..... lb. .50 - .53
Asbestine (see Talc, fibrous, N. Y.)
Asbestos, Canadian, crude, No. 1, c.l. (20 tons), mines ton. 1,300.00 -
No. 2, c.l. (20 tons), mines ton. 675.00 -
Run-of-mine, c.l., (20 tons), mines ton. 550.00 -
3K, c.l. (20 tons), mines ton. 436.00 -
3R, c.l. (20 tons), mines ton. [illegible] -
3T, c.l. (20 tons), mines ton. 348.00 -
3Z, c.l. (20 tons), mines ton. 321.00 -
4K, c.l. (20 tons), mines ton. 173.00 -
4M, c.l. (20 tons), mines ton. 173.00 -
4T, c.l. (20 tons) mines ton. 156.00 -
4Z, c.l. (20 tons), mines ton. 156.00 -
5D, c.l. (20 tons), mines ton. 122.50 -
5K, c.l. (20 tons), mines ton. 122.50 -
5M, c.l. (20 tons), mines ton. 116.50 -
5R, c.l. (20 tons) mines ton. 110.00 -
6D, c.l. (30 tons), mines ton. 78.00 -
7D, c.l. (30 tons), mines ton. 68.50 -
7F, c.l. (30 tons), mines ton. 65.00 -
7H, c.l. (30 tons), mines ton. 55.00 -
7K, c.l. (30 tons) mines ton. 46.00 -
7M, c.l., (30 tons), mines ton. 40.00 -
7R, c.l. (30 tons), mines ton. 39.00 -
7RF, c.l. (30 tons), mines ton. 40.00 -
7T, c.l. (30 tons), mines ton. 37.00 -
7TF, c.l. (30 tons) mines ton. 40.00 -
8S, c.l., (30 tons) mines ton. 27.00 -
Asbestos c.l. prices are in U. S. funds, l.c.l. lots, $4 per ton higher.

Asphalt, gilsonite, black, jet, bgs., c.l., mines ton. 37.00 - —
select, 350° F., fusing pt., bgs., c.l., mines ton. 38.00 - —
select, 270°-295°F., fusing pt. bgs., c.l., mines ton. 37.00 - —
seconds, 300°-390°F fusing pt., bgs., c.l., mines ton. 32.00 - —
Manjak, No. 10, crude, dms., works lb. .06¼ - —
petroleum, cut-back, tanks, tankwagon, refy. gal. .09 - —
emulsion, tanks, tankwagon, refy gal. .09½ - .10
steam-refd., 50-80 penetration, tanks, tankwagon, refy ton. 21.00 - —
85-300 penetration, tanks, tankwagon, refy ton. 20.00 - —
Aspirin (see Acid, acetylsalicylic).
Atropine, USP, bots ..... oz. 6.25 - 6.75
Sulfate, USP, bots ..... oz. 4.00 - 4.20

B

Bacitracin, bulk, 1,000,000,000 or more units 50,000 units. .70 - —
less than 1,000,000,000 units 50,000 units. .75 - —
Balm of Gilead buds dried, bgs lb. 1.35 - 1.45
Barberry, root bark, bgs ..... lb. .28 - .30
Barbital, USP, 100-lb. dms ..... lb. 4.50 - —
Sodium, USP, dms ..... lb. 4.75 - 4.77
Barium carbonate, precip., bgs., c.l., works ton. 100.00 - —
smaller lots, works ..... ton. 110.00 - —
Chlorate, kgs., works ..... lb. .32 - .36
Chloride, anhyd., bgs., c.l., works. ton. 165.00 - —
l.c.l., works ..... ton. 175.00 - —

Barium chloride, NF, cryst., dms lb. .20 - —
tech., cryst., dms., c.l., works. 100 lbs. 6.50 - —
l.c.l., works ..... 100 lbs. 7.00 - —
Chromate, bgs., frt. equald lb. .35 - —
Dioxide (see Barium peroxide).
Hydrate cryst., bgs ..... ton. 180.00 -190.00
Monoxide (see Oxide).
Nitrate, bbls., c.l., works ..... lb. .12½ - —
l.c.l. works ..... lb. .14 - —
Oxide, grd., dms., frt. equald ton. 255.00 - —
l.c.l., works ..... ton. 265.00 - —
Peroxide, dms., works ..... lb. .16 - —
Stearate, cans., c.l., frt. alld lb. .37 - —
l.c.l., same basis ..... lb. .38 - .42
Sulfate, tech. (see Barytes and Blanc fixe).
X-ray, dms. ..... lb. .15 - .15½
Sulfide, dms., c.l., works ..... ton. 85.00 - —
l.c.l., works ..... ton. 95.00 - —
Barytes, Southern, off-color, bgs., mines ton. 25.00 - —
95-75%, bgs., mines ton. 25.00 - —
water-grd., paper bgs., c.l., E. St. Louis ton. 41.60 - —
ex-whse., N. Y. ..... ton. 60.10 - —
Bauxite, bulk, mines ..... ton. 9.50 -10.00
Bay leaves (see Laurel leaves).
Belladonna leaf, bls. ..... lb. .35 - .37
root, bls. ..... lb. .45 - .50
Bentonite, dom., 200 mesh, bgs., c.l., mines ton. 14.00 - —
imp. Italian, white, high gel., bgs., 5-ton lots, ex whse. ton. 80.60 - —
1 ton-lots, ex whse. ton. 83.10 - —
low gel., bgs., 5-ton lots, ex whse. ton. 78.95 - —
1-ton lots, ex whse ... ton. 81.45 - —
Benzal chloride, cbys., works ..... lb. .22 - .23½
Benzaldehyde, NF, dms. ..... lb. .74 - 1.05
tech., cbys., dms. ..... lb. .44 - —
Benzene (see Benzol).
Hexachloride, 25% and 99% gamma isomer (see Lindane).
tech., high gamma, bgs., c.l., dlvd., gamma unit-lb. .0075- —
l.c.l., works, gamma unit-lb. .009 - —
tech., low gamma, bgs., c.l., dlvd., gamma unit-lb. .0075- —
l.c.l., works, gamma unit-lb. .009 - —
Benzidine hydrochloride, bbls., frt. alld., 100% basis lb. 1.00 - —
Benzocaine, dms. ..... lb. 3.48 - 3.50
Benzol, coaltar, pure or nitration, tanks, works:—
Bethlehem, Pa. ..... gal. .36 - —
Birmingham district ..... gal. .36 - —
Chicago district ..... gal. .36 - —
Cleveland district ..... gal. .36 - —
Geneva, Utah ..... gal. .36 - —
Johnstown, Pa. ..... gal. .36 - —
Lackawanna, N. Y. ..... gal. .36 - —
Lone Star, Texas ..... gal. .36 - —
Lorain, Ohio ..... gal. .36 - —
Middletown, Ohio ..... gal. .36 - —
Minnequa, Colo ..... gal. .36 - —
Philadelphia district ..... gal. .36 - —
Pittsburgh district ..... gal. .36 - —
Sparrows Point, Md. gal. .36 - —
Syracuse, N. Y. ..... gal. .36 - —
Terre Haute, Ind. ..... gal. .36 - —
Youngstown, Ohio ..... gal. .36 - —
Benzophenone dms ..... lb. 1.40 - 1.75
Benzotrichloride, cbys., frt. equald. lb. .18 - .20
Benzoyl chloride, cbys., dms., c.l., works, frt. equald lb. .22 - —
l.c.l., same basis lb. .23 - —
tank trucks, dlvd. Metropolitan area lb. .21 - —
Peroxide, purif., fib. dms., 50 to 1,000-lb. lots, works lb. .98 - 1.08
Benzyl acetate, f.f.c., cns., dms lb. .62 - 1.04
Alcohol (see Alcohol, benzyl).
Benzoate, USP, f.f.c., cns., dms. lb. .62 - 1.10
Chloride, tech., 13-gal. cbys., dms., c.l., works, frt. equald lb. .23 - —
l.c.l., same basis ..... lb. .24 - —
tank trucks, same basis ... lb. .21 - —
A 2½c. differential is quoted on benzyl chloride in 5-gal. cbys. In steel dms. prices were ½c. lower.
Cinnamate, cns. ..... lb. 3.60 - 3.90
Formate, cns. ..... lb. 1.30 - 2.10
Isoeugenol, cns. ..... lb. 8.60 - 9.10
Propionate, bots. ..... lb. 1.35 - 1.65
Salicylate, bots. ..... lb. 1.50 - 1.85
Benzylidine acetone, bots. ..... lb. 1.68 - 1.80
Chloride (see Benzal chloride).
Berberine bisulfate, cns. ..... lb. 35.00 -36.25
Hydrochloride, bots. ..... lb. 35.00 -36.25
Betagammapicoline (see b,g-Picoline).
Betamethylnaphthalene (see b-Methylnaphthalene)
Betanaphthol (see b-Naphthol).
Betanaphthylamine (see b-Naphthylamine).
Betaphenylethylamine (see b-Phenylethylamine).
BHC (see Benzene hexachloride, technical)
Biotin cryst., bots. ..... gram. 10.00 - —
Biphenyl (see Diphenyl).
Bismuth chloride, jars ..... lb. 5.11 - —
Hydroxide, dms. ..... lb. 4.65 - —
Metal, bxs., ton lots ..... lb. 2.25 - —
Nitrate, cryst., dms ..... lb. 2.10 - 2.17
Oxide, anhyd., dms ..... lb. 4.47 - 5.05
Oxychloride, dms. ..... lb. 4.37 - 4.42
Phenolsulfonate, fib. dms. ... lb. 5.22 - —
Subcarbonate, USP, dms ..... lb. 3.20 - —
Subgallate, NF, fib. dms ..... lb. 3.15 - —
Subiodide, fib. dms. ..... lb. 5.37 - —
Subnitrate, NF, dms ..... lb. 2.65 - —
Subsalicylate, USP, dms ..... lb. 3.50 - —
Bismuth-ammonium citrate, USP, powd., jars lb. 4.22 - —
Black, acetylene, imp., bgs., c.l., duty and freight extra lb. .17 - —
cs., l.c.l., ex whse ..... lb. .22½ - .26
Ash (see Barium sulfide).
Bone dms. l.c.l., frt. alld. ... lb. .19 - .23¼
Pacific coast bone black prices, 2c. per lb. higher
Carbon, channel, pigment, high color, beads, ctns., c.l., works. lb. .72 - —
l.c.l., dlvd. or whse. lb. .78 - —
medium color, uncompressed, bgs., c.l., works. lb. .12 - —
l.c.l., dlvd. or whse. lb. .19 - —
rubber, beads, bulk, c.l., works lb. .07 - —
bgs., c.l., works ..... lb. .074 - —
l.c.l., works ..... lb. .1225- —
furnace, fast extruding, bgs., c.l., works lb. .06 - —
ctns., l.c.l., whse ..... lb. .10 - —
high abrasion, bulk, c.l., works. lb. .0750- —
bgs., c.l., works ..... lb. .0790- —
l.c.l., dlvd. or whse lb. .122 - .125
high modulus, bgs., c.l., works. lb. .0550- —
ctns., l.c.l., whse ..... lb. .0950- —
semi-reinforcing bgs., c.l., works lb. .045 - —
bgs., ctns., l.c.l., whse. ... lb. .085 - —
Charcoal (see C).
Dyes (see Dyes).
Graphite (see G).

Introducing

3 NEW ALKATERGES

compare these new versatile

SURFACE-ACTIVE AGENTS

Compare the physical properties of these new additions to the CSC family.

Physical Properties	Alkaterge C	Alkaterge A	Alkaterge E	Alkaterge T
Color, Gardner (1933)	15	7	7	7
Solidification Point, °C	−40	−41	−50	59
Specific Gravity @ 20/20°C	—	0.885	0.926	—
Specific Gravity @ 25/25°C	0.925	0.883	0.924	—
Wt. per US Gallon @ 68°F, lbs.	7.71	7.37	7.72	—
Coefficient of Expansion, per 1°F.	0.00067	0.00061	0.0043	—
Refractive Index, n_D @ 25°C	—	1.4631	1.4738	—
Viscosity:				
Saybolt Universal @ 100°F. sec.	—	79.9	299	—
Centistokes @ 100°F.	71*	14.5	62	—
Interfacial Tension Against Water, dynes/cm:				
0.1% solution in mineral oil	2	24.6	18.1	1.8
1% in m.o. against sat. ag. sol'n	—	10.5	3.7	—
Surface Tension, sat. ag. sol'n. dynes/cm:	42	37.6	37.8	30.4
Flash Point, Cleveland Open Cup, °F.	400	325	395	None
Solubility, ml/100 ml:				
In Water	0.005	0.005	0.4	0.01
Water in product	—	3.8	2.56	—

*at 96°F

Now, Commercial Solvents offers three new surface-active agents that are closely related to ALKATERGE-C. Because of the latter's proven industrial usefulness, demand exceeds supply. Production facilities are being expanded. Many of CSC's customers have found that ALKATERGE-A,-E, or-T do equally well or better in many of the jobs formerly accomplished by ALKATERGE-C. While they differ somewhat in individual properties, they should prove useful as auxiliary emulsification agents, antifoam agents, dispersing agents, spreading agents, pigment-grinding assistants, acid acceptors and in numerous other applications. Test all or any of these three new alkaterges for yourself. For complete information and a sample, write to Market Development Department, CSC, 260 Madison Ave., N.Y.16, N.Y.

COMMERCIAL SOLVENTS

260 MADISON AVENUE **CORPORATION** NEW YORK 16, N. Y.

CSC INDUSTRIAL CHEMICALS

Black, iron oxide, pure, bgs., c.l., works lb. .13¼ - —
l.c.l., works lb. .13½ - —
Lamp, bgs., c.l., works lb. .16 .45
Mineral, bgs., works lb. .0160- .0675
Blackberry root bark, bls. lb. .45 —
Black haw root bark, bls. lb. .63 - .65
tree bark, bls lb. .40 .45
Blanc fixe, dry byproduct, bgs. c.l., works ton.190.00 - —
l.c.l., works ton.200.00 - —
direct process, bgs. c.l., works ton.100.00 - —
l.c.l., works ton.110.00 - —
N. Y whse ton.140.00 -165.00
Bleaching powder, dms. c.l., works. 100 lbs. 5.02 - —
l.c.l., works 100 lbs. 6.52 - —
Blood, dried, 16-16½% ammonia, bgs. unit-ton. 5.50 - —
high-grade, unground, 16-17% ammonia, bgs., Chicago. unit-ton. 5.25 - —
soluble, bgs., c.l. lb. .14 - .17
l.c.l. lb. .18 - .25
Bloodroot bls. lb. .48 .50
Blue, alkali, dry, 250-lb. bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 2.10 - —
toner, 125-lb. bbls., litho flushed, same basis lb. 1.20 - —
Chinese, bbls., same basis lb. .49 - —
Cobalt, genuine, bbls., same basis lb. 4.90 - —
Imitation (see Blue ultramarine).
Dyes (see Dyes)
Iron (see Blue, Chinese Milori, Potash, Prussian and Soda)
Methyl violet toner, molybdated, PMA, bbls., same basis, lb. 2.60 - —
tungstated PTMA bbls. same basis lb. 4.00 - —
Milori, bbls., same basis lb. .49 - —
Peacock, fugitive, 100% color strength, bbls., same basis, lb. .75 - —
Phthalocyanine, full strength, bbls., same basis lb. 3.45 - —
resinated, bbls., same basis lb. 3.00 - —
water dispersable, bbls., same basis lb. 1.54 - —
Potash, CP, bbls., same basis lb. .56 - —
Prussian, insoluble, bbls., same basis lb. .49 - —
soluble, bbls., same basis lb. .49 - —
Soda, CP, bronze, bbls., same basis lb. .56 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis lb. .30½ - .35
jobbing types, bbls., same basis, lb. .16½ - .18¼
regular types, dry, bbls., same basis lb. .22½ - .35
Victoria toner, molybdated, PMA, bbls lb. 4.10 - —
tungstated, PTMA, bbls lb. 5.15 - —
Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport 1¼c.), Miss., N. C., S. C., Tenn., Tex. (El Paso 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph 1.6c. higher Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.
Vitrol (see Copper sulfate).
Bluestone (see Copper sulfate).
Bonemeal, steamed, works, E. ton.65.00 - —
Los Angeles ton.82.00 - —
Bone phosphate defluorinated (see D)
of lime (see Calcium phosphate, tribasic).
precipatated (see Calcium phosphate tribasic, NF precip.)
Borax, tech., anhyd., 99½%, bgs., c.l., works ton.80.50 - —
ton lots ex whse N Y or Chicago ton.130.25 - —
bulk, c.l., works ton.71.50 - —
cryst., 99½%, bgs., c.l., works. ton.69.25 - —
ton lots, ex-whse., N Y or Chi ton.119.00 —
smaller lots, same basis. ton.124.00 - —
gran., decahydrate, 99½%, bgs., c.l., works ton.43.25 - —
ton lots, ex whse., N. Y., Chi ton.93.00 - —
smaller lots, same basis. ton.98.00 - —
bulk, c.l., works ton.36.75 - —
pentahydrate, 99½%, bgs., c.l., works ton.57.75 - —
ton lots, ex whse., N.Y., Chi ton.107.50 - —
smaller lots, same basis. ton.112.50 - —
bulk ton.51.25 - —
powd., 99½%, bgs., c.l., works. ton.48.25 - —
ton lots, ex-whse., N Y or Chi ton.98.00 - —
smaller lots, same basis. ton.103.00 - —
Borax packed in kgs., $45.50 per ton higher than in paper bgs.; in barrels, $24.50 higher. USP borax $15 per ton higher.
Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest wtse. pt. lb. .18 - .24
l.c.l., same basis lb. .19 - .26
Borneol, cns lb. 2.50 - 4.50
Borontrifluoride gas, cyls., truckload, works lb. .62 - —
lers truckload, works lb. .70 - —
Brazilwood extract (see Hypernic extract).
Brimstone (see Sulfur).
Bromine, purif., cs., c.l., t.l., dlvd. E. of Rockies lb. .31 - —
l.c.l., same basis lb. .33 - .38
ret. dms., c.l., t.l., dlvd. E. of Rockies lb. .30 - —
l.c.l., same basis lb. .30 - .32
tanks, same basis lb. .21½ - —
Bromochloromethane, dms., c.l., frt. equald lb. .48 - —
l.c.l., same basis lb. .50 - —
Bromoform, pharmaceutical grade, bots lb. 1.62 - 2.60
cbys. lb. 1.52 - —
Bromstyrol, bots lb. 5.40 - 5.70
Bronze powder aluminum (See A).
Brown, iron oxide, pure, bgs., c.l., works lb. .14¼ - —
l.c.l., works lb. .14½ - —
Oxide, metallic, bgs, works lb. .04 - —
Sienna, burnt, paper bgs., c.l., works lb. .04¼ - .15¼
l.c.l., works lb. .04½ - .15½
raw, paper, ogs., c.l., works lb. .04½ - .13
l.c.l., works lb. .04¾ - .13¼
Umber, burnt, American, bgs., c.l., works lb. .06 - —
l.c.l., works lb. .06¼ - .07
Turkey type bgs., c.l. Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N. Y. lb. .06¾ - —
l.c.l., works lb. .07 - —
raw, American, bgs., works lb. .06¾ - .06¼
Turkey-type, bgs., works lb. .06¾ - .07
Vandyke bbls, works lb. .09½ - .12
Brucine, cns., 100-oz. lots oz. .20 - .25
Sulfate, NF, cns., 100-oz. lots oz. .15 - .20
Buchu leaves, bls lb. .65 - —
Butadiene, refd., cyls., c.l. refy lb. .21 - —
l.c.l., refy. lb. .22 - —
tanks, refy lb. .15 - —
Butane, indust., tanks, group 3 gal. .02½ - —
N. Y. harbor gal. .08 - —

n-Butyl acetate, ferment., dms., c.l., frt. alld lb. .15 - —
l.c.l., same basis lb. .16 - —
tanks, same basis lb. .13 - —
syn., dms., c.l., dlvd. E. lb. .15 - —
l.c.l., same basis lb. .16 - —
tanks, same basis lb. .13 - —
sec-Butyl acetate, syn., dms., c.l., dlvd. E lb. .12½ - —
l.c.l., same basis lb. .13¼ - —
tanks, same basis lb. .10¾ - —
Butyl alcohol (see Alcohol, n-Butyl).
Aldehyde (see Butyraldehyde)
Chloride, dms., c.l., works lb. .37½ - —
l.c.l. works lb. .38 - —
Ether, dms., c.l., works lb. .32¾ - —
l.c.l., works lb. .33¼ - —
tanks, works lb. .31 - —
Lactate, dms., c.l., frt. alld. E. of Rockies lb. .42 - —
l.c.l., same basis lb. .47 - —
tanks, same basis lb. .40 - —
Laurate dms., works lb. .39 - —
Methacrylate, dms., c.l., t.l., works. lb. .70 - —
l.c.l., works lb. .55½ - —
Oleate, refd., dms., l.c.l., works. lb. .32 - —
Phenylacetate dms lb 4.50 - 4.60
Phthalate (see Dibutyl phthalate).
Stearate, dms, l.c.l., frt equald lb. .24 .27
Butylamine (see mono-, di-, and tri-).
6-tert-Butyl-m-cresol, dms., c.l., works lb. .49 - —
l.c.l., works lb. .50 - —
tanks, works lb. .48 - —
p-tert-Butylphenol, bgs., c.l., works. lb. .25½ - —
l.c.l., works lb. .26½ - —
Butyraldehyde, dms., c.l., dlvd lb. .21½ - —
l.c.l. dlvd lb. .22½ - —
tanks, dlvd lb. .19½ - —
Butyric ether (see Ethyl butyrate).

C

Cacao butter (see Cocoa butter).
Cadmium iodide, 25-lb. fib. dms lb. 6.75 - 7.00
Metal ingots or sticks, cs., dlvd. lb. 1.70 - —
Caffeine, USP, nat., cryst., anhyd., dms., 100-lb. lots or more lb. 3.00 - —
hydrous, dms., 100-lib. lots or more lb. 2.80 - —
syn., cryst., anhyd., dms., 100-lb. lots or more lb. 3.00 - —
hydrous, 100-lb. lots or more. lb. 2.80 - —
citrated, USP, dms., 100-lb. lots or more. lb. 2.70 - —
Calamine, USP, dms lb. .34 - —
Calciferol, cryst., vials, 1-kilo lots, works gram .60 - —
25 to 100 gram lots, works, gram .65 - —
in edible oil (see Viosterol).
Calcium p-aminosalicylate, fib., dms., 1,000 lb. lots, frt. adjusted lb. 7.00 - —
smaller lots, same basis lb. 7.05 - 7.50
Calcium arsenate, dealers, dms., c.l., whse, works, frt. alld. on 96 lbs. or over lb. .09 - .10
l.c.l., same basis lb. .10 - —
Bromide, NF, jars lb. .94 - .98
Carbide, standard generator size, dms., c.l., dlvd ton.134.40 - —
Carbonate, nat., dry-grd., air floated, 325 mesh, bgs., c.l., works ton. 7.50 -10.00
chalk, whiting, 325 mesh, bgs., works ton.32.00 -34.00

Black, Iron Oxide—Calcium Hypochlorite

Calcium carbonate, nat., water-grd., ½ to 10 microns, bgs., c.l., works ton.30.00 - —
10 to 20 microns, bgs., c.l., works ton.17.00 -18.00
precip., dense ogs. c.l., works. ton.30.00 -33.00
l.c.l., works ton.40.00 -48.00
medium, bgs., c.l., works ton.35.00 —
l.c.l., works ton.45.00 -50.00
surface treated, bgs., c.l., works ton.35.00 -50.00
l.c.l., works ton.45.00 -65.00
ultrafine, bgs., c.l., works. ton.110.00 160.00
l.c.l., works ton.120.00 -175.00
Chloride, cryst., purif., dms. lb. .27 - —
flake, 77-80%, paper bgs., c.l., works, frt. equald ton.29.00 - —
liquor, 40%, tanks, frt. equald. ton.12.35 - —
pellets, bgs., c.l., works ton.35.00 - —
powd., bgs., c.l., works ton.39.65 - —
solid, 73-75%, dms., c.l., frt. equald ton.27.50 - —
l.c.l., works, same basis. ton.34.00 -71.00
USP, gran., dms. lb. .32 - —
Calcium chromate, bgs., frt. equald lb. .29½ - .30
Cyanide, dms., dlvd. E. of Rockies lb. .24 .50
Cyclamate, 100-lb. fib. dms lb. 2.95 - —
Gluconate, AA, bbls., dms lb. .70 .72
USP, bbls., dms lb. .83 .65
Hydride, dms., works lb. 2.15 3.00
Hypochlorite, high test, cased (45 lbs.), dlvd. E. of Rockies cs.22.60 -24.75
dms., 100-lb., same basis dm.28.65 -32.50

Eastman raw materials for the pharmaceutical industry

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	SOLVENT	INTERMEDIATE	ACETYLATING AGENT	STABILIZER	MISCELLANEOUS
acetaldehyde		■			
acetanilide		■			
acetic acid	■		■		
acetic anhydride			■		dehydrating agent
acetone	■	■			
benzoquinone		■			
ethyl acetate	■				
hydroquinone dimethyl ether				■	ultraviolet inhibitor
isobutyl acetate	■				
isobutyl alcohol	■				
isobutyraldehyde		■			
isopropyl acetate	■				
oxidized cellulose					hemostatic agent and adsorbent
Tenox®				■	antioxidant series

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Calcium Hypophosphite—Chlorophyll, Copper Fixed

Calcium hypophosphite, dms., ton lots or less lb. .90 - .93
iodide, jars lb. 4.52 - —
Lactate, USP, dms., 10,000-lb. lots or more, works lb. .40 - —
smaller lots, works lb. .41 - .48
Mandelate, USP, dms, works lb. 2.10 - 2.25
Naphthenate, liq., 4% Ca., dms., frt. equald lb. .27½ - —
Nitrate, fertilizer grade, bgs., c.l., Los Angeles ton.46.00 - —
tech., dms., works lb. 13 - —
Pantothenate, jars, 100-gram lots or more, frt. adjusted gram. .06 - —
Para-aminosalicylate (see Calcium p-Aminosalicylate).
Phenolsulfonate, dms lb. .70 - —
Phosphate dibasic, USP, bgs., c.l., frt. equald 100 lbs 7.10 - —
l.c.l., frt. equald 100 lbs 7.60 - 7.95
feed grade, 18½% P, bgs., c.l., t.l., frt. equald ton.79.55 - —
l.c.l., frt. equald ton.88.80 -89.55
20% P, bgs., c.l., t.l., frt equald ton.84.55 - —
l.c.l., frt. equald ton.96.00 - —
21% P, bgs., c.l., t.l., frt. equald ton.90.30 - —
l.c.l., frt. equald ton.100.30 -100.80
monobasic, bgs., 10,000-lb. lots, frt. equald 100 lbs. 6.05 - —
smaller lots, same basis, 100 lbs 6.55 - —
tribasic, NF, precip., bgs., c.l., frt. equald. 100 lbs. 7.60 - —
l.c.l., frt. equald 100 lbs. 7.95 - —
Phytate, bgs., works lb. .37 - —
Calcium resinate, precip., dms., frt. alld., works lb. .30½ - —
Silicate, hydrated, bgs., c.l., works, lb, .06 - —
l.c.l., works lb. .06½ - —
paint grade (see Wollastonite).
Stearate, ctns., c.l. lb. .35 - —
l.c.l. lb. .36 - .40
Sulfate (see Gypsum)
Calomel, USP, powd., dms lb. 5.42 - —
Camphene 46° m.p., dms., incl., c.l., works lb. .15 - —
l.c.l., same basis lb. .16½ - —
tanks, same basis lb. .12½ - —
Chlorinated 67-69% (see Toxaphene).
Camphor, monobromated, NF, dms., kgs lb. 3.25 - 3.67
nat. USP powd., cs., 100-lb. lots, lb. .85 - —
tablets, 1-oz., ½-oz. cs lb. .85 - —
syn., tech., 1 bbl. or more lb. .52 - —
USP, gran. powd., bbls. 2,000-lb. lots lb. .59 - —
1,000-lb. lots lb. .60 - —
smaller lots lb. .61 - —
tablets, tins, 2,000-lb. lots lb. .90 - —
1,000-lb. lots lb. .91 - —
smaller lots lb. .92 - —
Canada balsam (see Fir balsam).
Cantharides, Chinese, cs. lb. 2.00 - 2.05
powd., bxs lb. 2.25 - 2.30
Russian, bgs lb. 4.00 - 4.05
powd., bxs lb. 4.35 - 4.40
Capsicum (see Pepper red).
Oleoresin, NF, from domestic pepper, dms lb. 4.50 - 5.25
from African pepper, dms lb. 4.35 - 5.00
Caraway seed, Dutch, bgs. lb. .17 - —
Carbazole, 97%, bbls., ton lots, works lb. 1.05 - —
Carbinol, methyl isobutyl (see Methyl isobutyl carbinol).
Carbon dioxide, indust., wholesale, bulk, dlvd. metropolitan area, ton.73.00 -115.00
cyls., same basis lb. .08 - —
solid, same basis lb. .035 - .040
Disulfide, 55-gal. dms., c.l., works, frt. alld. to competitive points lb. .07 - —
l.c.l., same basis lb. .08½ - .09
5-gal. dms., 30 dms. to c.l., same basis lb. .13 - —
less than 30 dms lb. .16 - —
tanks, same basis lb. .0515- —
Tetrachloride, CP, consumers, dms., l.c., l.c.l., frt. alld lb. .11½ - .13¼
tech., consumers, dms., c.l., E. Rockies, frt. alld lb. .10½ - —
W. of Rockies, f.o.b. stockpoints lb. .11 - —
l.c.l., E. of Rockies, frt. alld lb. .12¼ - —
W. of Rockies, f.o.b. stockpoints lb. .12¾ - —
tanks, E. of Rockies, frt. alld lib. .09 - —
W. of Rockies, f.o.b. stockpoints lb. .09½ - —
Carboxymethyl cellulose (see CMC).
Carbromal, NF, dms., 100-lb. lots, works lb 4.00 - 4.25
smaller lots, works lb 4.10 - 4.75
Cardamom fruit, fancy, bold, cs lb. 3.95 - —
selected, bleached, cs lb. 3.80 - —
decorticated, Ceylon, cs lb. 2.10 - 2.20
Guatemalan, cs lb. 2.25 - —
green, Ceylon, bgs. lb. 1.90 - —
seed (see Cardamom fruit decorticated).
Carmine, No. 40, NF, bulk, 100-lb. lots or more, dlvd lb.14.40 - —
smaller lots, dlvd lb.14.50 -15.20
Carotene, tech., 1,350,000 A units per gram, tins, works gram. .48 - —
in carrot oil, 5,000,000 to 8,000,000 A units per lb., dms., works, million units .18 - —
microcrystalline in oil, 400,000 A units per gram, tins, works million units. .30 - —
b-Carotene, pure, crystalline, 1,600,000 A units to 1,670,000 per gram., cns. gram. .40 - —
in vegetable oil, 400,000 A units per gram, cns. gram. .096 - —
Carvol, bots lb. 4.50 - 8.00
Cascara sagrada bark, bulk lb. .30 - .31
Casein, dom., acid precip., standard, bgs., 10,000-lb. lots or more, shipt. point lb. .27 - .30
premium, bgs., 10,000-lb. lots or more, shipt. point lb. .35 - .40
Imp., Argentine, acid-precip., grd., bgs., c.l., duty paid lb. .24 - .24½
New Zealand, same basis lb. .25 - .26
Cashewnut shell, liquid, treated, dms., c.l., Newark, N. J. lb. .22 - —
ton lots, same basis lb. .23 - —
dm. lots, same basis lb. .25 - —
Cassia, Batavia, cuttings, bls lb. .15 - —
longstick, cracked, bls lb. .16½ - —
shortstick, cracked, bls lb. .15½ - —
Saigon, broken, bls lb. No prices.
medium, reconditioned, bls lb. No prices.
thin, bls lb. No prices.
Castor beans, bgs., c. & f. ton.115.00 Nom.
Oil (see Oil, castor).
Pomace, bgs., c.l., works ton.40.00 - —
Castoreum, nat., cns lb. 5.00 -30.00
syn., cns lb. 9.00 - —
Catechol, CP, cryst., fib. dms., works lb. 2.17½ - —
resub., dms., works lb. 4.29½ - —
Catnip leaves, Southern, bls lb. .75 - —
Celery seed, French, bgs., smpt. lb. .33 - —
Indian, bgs. lb. .15 - —
Cellulose scrap (see Pyroxylin scrap).
Acetate, flake, powd., ctns., bgs., 100-lb. lots or more, dlvd. E lb. .35 - .46
Acetate-butyrate, powd., 17% butyryl content, bgs., dlvd. E. lb. .545 - .555
27% butyryl content, bgs., dlvd. E lb. .595 - .605
38% butyryl content, bgs., dlvd. E lb. .545 - .555
50% butyryl content, bgs., dlvd E lb. .585 - .595
half-second, bgs., dlvd. E. lb. .545 - .555
Cerium chloride, dms., dlvd. lb. .35 - —
Hydrate, 74% CeO_2, fib. dms., 100-lb. lots or more lb. 1.44 - —
77% CeO_2, fib. dms., 100-lb. lots or more lb. 1.74 - —
Oxalate, NF, bbls., bgs., works lb. 1.32 - —
Oxide, optical grade, bgs., 50-lb. lots or more, dlvd. lb. 1.85 - 1.98
smaller lots, dlvd lb. 2.03 - 2.23
Chalk (see Calcium carbonate).
Chamomile flowers, Hungarian style, cs lb. .85 - —
Roman, cs lb. 1.50 - —
Charcoal, activated, NF, fib. dms., c.l., works lb. .25 - .32
5-ton lots, works lb. .29½ - .32¼
smaller lots works lb. .27 - .50
Bone (see Black, bone)
Hardwood, briquets, bgs., c.l., works ton.77.00 - —
gran., bgs., works ton.77.00 - —
bulk, c.l., works ton.72.00 - —
Finewood, gran., powd., bgs., c.l., works, South ton.55.00 - —
l.c.l., works, South ton.55.00 -65.00
lump bgs., c.l., works, South ton.51.50 - —
l.c.l., works, South ton.54.50 -69.00
bulk, c.l., works, South ton.26.00 - —
Chestnut extract, liq., 25% tannin, bbls., c.l., works lb. .04¾ - —
l.c.l., works lb. .0510- —
tanks, works lb. .04 - —
powd., 60% tannin, bgs., extra, c.l., works lb. .1032- —
l.c.l., works lb. .1102- —
Chloral, tech., 94% min., dms., c.l. works lb. .23 - —
l.c.l., works lb. .24 - —
tanks, works lb. .21 - —
Hydrate, USP, 40-lb. jars, 1,000-lb. lots lb. 1.00 - —
500-lb. lots lb. 1.03 - —
100-lb. lots or less lb. 1.05 - —
Chloramine T, NF, bbls., works lb. .75 - 1.00
Chlordan, agricultural, dms., c.l., frt alld lb. .65 - —
l.c.l., 5,000 to 10,000-lb. lots, frt alld lb. .66 - —
clarif., dms., c.l., frt. alld lb. .75 - —
l.c.l., 5,000 to 10,000-lb. lots, frt. alld lb. .76 - —
Chlorinated paraffin, 42%, dms., c.l., frt. alld lb. .15½ - —
l.c.l., same basis lb. .16½ - —
70%, dms., c.l., same basis lb. .18 - —
l.c.l., same basis lb. .19 - —
rubber, 5, 10, 20 cps., ctns., c.l., works lb. .55 - —
l.c.l., works lb. .56 - —
125, 1,000 cps., ctns., c.l., works lb. .65 - —
l.c.l., works lb. .66 - —
Chlorine, liq., cyls., c.l., works, frt. equald lb. .09½ - —
l.c.l., Metropolitan area lb. .11 - .12¼
tanks, single units, works, frt. equald 100 lbs. 2.93 - —
multiple units, 5 cars, works, frt. equald 100 lbs. 3.80 - 3.83
3 cars, same basis 100 lbs. 3.80 - —
2 cars, same basis 100 lbs. 5.00 - —
1 car, same basis 100 lbs. 6.00 - —
4-Chloro-2-aminotoluene, fused, bbls. lb. 1.45 - —
m-Chloroaniline, dms., c.l., frt. equald lb. .75 - —
l.c.l., same basis lb. .80 - —
o-Chloroaniline, dms., c.l., works, frt. equald lb. .70 - —
l.c.l., same basis lb. .72 - —
p-Chloroaniline, dms., c.l., works, frt. equald lb. .75 - —
o-Chlorobenzaldehyde, dms., works, lb. 1.20 - —
p-Chlorobenzaldehyde, dms., works, lb. 2.00 - —
Chloroform, tech., dms., c.l., dlvd. E lb. .18 - —
l.c.l., same basis lb. .19 - —
tanks, same basis lb. .17 - —
USP, dms lb. .30 - —
2-Chloro-4-nitroaniline, paste, dlvd. E., 100% basis lb. .81 - —
powd., dlvd. E., 100% basis lb. .86 - —
4-Chloro-2-nitroaniline, powd., dlvd. E lb. .80 - —
o-Chlorophenol, dms., c.l., frt. equald. lb. .35½ - —
l.c.l., same basis lb. .36½ - —
p-Chlorophenol, dms., c.l., frt. equald. lb. .35½ - —
l.c.l., same basis lb. .36½ - —
Chlorophyll, oil soluble, not fixed, 4%, pails, tins, works lb. 4.25 - —
copper fixed, 6½%, tins, pails, works lb. 4.25 - —
dms., pails, works lb. 3.75 - —
8%, pails, dms., works lb. 4.00 - 4.50
14%, dms., works lb. 3.90 - —

FOR THE CHEMICAL AND GENERAL INDUSTRY

Caffeine—Natural
Caffeine—Synthetic
Cesium Salts
Cocaine and Salts
Coumarin
Theobromine
Theobromine—Sod. Sal.
Theophylline
Vanillin—Eugenol

Lithium Products
Lithium Benzoate
Bromide
Carbonate
Chloride
Citrate
Fluoride
Hydride
Hydroxide
Metal & Metal Alloys
Salicylate
Stearate
Sulphate

Rare Earth Products
Cerium Carbonate
Chloride
Hydrate
Nitrate
Oxide
Rare Earth Carbonate
Chloride
Fluoride
Nitrate
Lanthanum Salts
Neodymium Salts
Thorium Nitrate

Aromatics
Ionones
Methyl Ionones
Isolates
Synthetics

Synthetic Detergents
Maypon 4 C
Maypon K
Maypon M
Maypon OW

FOR THE TEXTILE INDUSTRY

MAYPON K

PROTEIN – FATTY ACID – CONDENSATE

An effective anionic detergent in scouring, bleaching, and dyeing.

A powerful emulsifier for mineral oils.

FOR THE COSMETIC INDUSTRY

MAYPON 4 C

PROTEIN – FATTY ACID – CONDENSATE

Anionic sudsing agent, detergent, and emulsifier in the production of

SHAMPOOS • PERMANENT COLD WAVE SOLUTIONS • LIQUID BATH PREPARATIONS COSMETIC CREAMS

In all concentrations, Maypon 4 C satisfies the Draize Woodward eye irritation test.

MAYWOOD CHEMICAL WORKS
MAYWOOD, NEW JERSEY
ESTABLISHED 1895

MAYPON

Chlorophyll, conc., dom., 50%, dms., works, 100% basis lb. 42.00 - —
75% dms., works, 100% basis lb. 45.00 - —
90%-100%, dms., works, 100% basis lb. 45.00 - —
tmp., 60%, tins, 100% basis. lb. 58.00 - —
75%, tins, 100% basis lb. 58.00 - —
90%, tins, 100% basis lb. 58.00 - —
Chloropicrin, coml., bots. lb. 1.50 - —
cyls., 180 lbs frt alld lb. .95 - —
100 lbs., same basis lb. .97 - —
25 lbs. same basis lb 1.22 - —
Cholesterol, USP fib. dms., 100-lb. lots lb. 6.85 - 9.00
Choline bitartrate, fib. dms., frt. adjusted lb. 1.25 - 1.50
Chloride, fib. dms., frt. adjusted. lb. 1.50 - 1.75
Dihydrogen citrate, fib. dms., frt. adjusted lb. 1.50 - 1.75
Chromium acetate soln. 7½%, bbls., works lb. .08½- —
chys works lb. .10¼ —
Fluoride, bbls., works lb. .51 - .52
Chromium, green (see Green, chrome).
Oxide (see Green chromium oxide).
Trioxide, NF, bots lb 82 - 89
Yellow (see Yellow chrome).
Cinchona bark, NF, red, broken, bgs lb. .35 - .40
yellow broken, bgs lb. .35 - .40
Cinchonidine, cryst., cns., 100-oz. lots. oz. .65 - —
Sulfate, cns., 100-oz. lots oz. .35 - —
Cinchonine, cryst., cns., 100-oz. lots. oz. .52 - .57
Sulfate, NF, cns., 100-oz. lots oz. .27½- .30½
Cinchophen, NF, heavy density, dms., frt. adjusted lb. 3.70 - 4.05
standard density, dms., same basis lb. 3.50 - 3.85
Cinchophen-sodium, dms., frt. adjusted lb. 4.50 - 4.85
Cinnamic alcohol (see Alcohol cinnamic).
Aldehyde, cns., dms lb. 1.00 - 1.30
Cinnamon, Ceylon, No. 2, bgs. lb. .55 - .56
"0000," bgs., afloat lb. .80 - —
Citral, bots., cns lb. 5.65 - 5.90
Citronellal, bots., dms lb 1.85 - 2.50
Citronellol, bots., dms lb. 4.40 - 5.00
Civet, artif., bots lb. 13.75 -15.00
nat., bots oz. 7.50 -15.00
Clay, ball, dom., airfloated, bgs., c.l., Tenn. ton. 19.50 - —
crushed, shed moisture, bulk, c.l., Tenn ton. 10.00 - —
Jurit, bgs., c.l. Tenn ton. 20.50 - —
tmp., airfloated, bgs., c.l., Atl. port, long ton. 42.00 -45.00
lump bulk, Atl. port, long ton. 27.00 -30.20
China, dom., dry-grd., airfloat, 99% 325 mesh bgs., c.l., Georgia, works ton. 10.00 - —
t.c.l. Georgia works. ton. 15.50 - —
300 mesh, bgs., c.l., Georgia, works ton. 13.50 -14.50
t.c.l. ton. 35.00 -36.00
tmp., white, lump, bulk, c.l., ex dock, Phila., Portland, Me. gross ton. 20.00 -35.00
powd. bgs., c.l., ex dock net ton 50.00 —
t.c.l., ex whse net ton. 60.00 -65.00
Clove, Madagascar, bgs. lb. .42 - —
Zanzibar, bgs. lb. .44 - —
CMC, crude, 96%, low or medium vis., bgs., or fib. dms., 23,000 lbs., dlvd E., 100% basis. lb. .37 - —
less than 23,000 lbs., dlvd. E., 100% basis lb. .41 - —
65%, bgs., or fib. dms., c.l., dlvd. E., 100% basis lb. .37 - —
t.c.l., dlvd. E., 100% basis. lb. .41 - —
purif., high vis. (see Gum Cellulose).
standard, low or medium vis., bgs., 23,000 lbs. or over, works, frt. alld. lb. .55 - —
smaller lots, same basis lb. .57 - —

CMC prices W. of the Rockies are 2c. per lb. lower, and are on a works basis.

Coaltar, crude, resale for solns., dms., c.l., ex-whse. gal. .255 - —
t.c.l., ex-whse gal. .275 - —
tanks, ex works gal. .155 - .159
refd., resale, dms., c.l., ex-whse. gal. .2650- .32
t.c.l., ex-whse gal. .2350- .34
tanks, ex-whse gal. .1650- .1760
Cobalt acetate, 23.7%, bbls., dlvd. lb. 1.30 - —
Carbonate, 46% powd., bgs., dlvd. lb. 2.15 - —
Chloride, 24.2% Co. kgs., dlvd., lb. 1.20 - —
Hydrate, 60-61% Co, bbls., dlvd. lb. 2.72 - —
Linoleate, fused, 8½% Co., dms. lb. .75¾- —
liq., 6% Co., dms lb. .61 - —
Metal, 97-99% kgs., ex whse lb. 2.60 - —
Naphthenate, liq., 6% Co., dms., dlvd lb. .48¼- —
Nitrate, 20.1% Co, bbls., dlvd lb. 1.00 - —
Oxide, black, 72½-73½% Co., kgs. lb. 1.96 - —
70-71% Co., kgs lb. 1.90 - —
Phosphate, powd., 32.1% Co., kgs., dlvd lb. 1.69 - —
Resinate, fused, 3% Co., dms lb. .29¾- —
Sulfate, cryst. 21% Co., dms., dlvd lb. .89 - —
monohydrated, 33% Co., dms. dlvd lb. 1.40 - —
Tallate, 6% Co., dms., dlvd lb. .43¾- —
Cocaine, USP, cns., 100-oz. lots oz. 17.80 - —
Hydrochloride, cns., 100-oz. lots. oz. 13.75 - —
Cocillana bark, bgs lb. .40 - .50
Cocoa, butter, bgs lb. .57 - .59
Codeine, NF, cns., 100-oz. lots oz. 13.25 - —
Hydrochloride, cns., 100-oz. lots. oz. 11.75 - —
Phosphate, USP, cns., 100-oz. lots. oz. 10.25 - —
Sulfate, USP, cns., 100-oz. lots oz. 10.75 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls lb. .20 - .22
blue, bls lb. .20 - .22
Colchicine, USP, bots., cns. oz. 33.50 -40.00
Colchicum root, bls lb. .45 - .55
seed, bgs lb. .75 - 1.00
Collodion, USP, dms lb. .32½- —
flexible, USP, dms lb. .34 - —
Colocynth, pulp, bls lb. .25 - .30
Colombo root, bls lb. No prices.
Condurango bark, bales lb. .40 - 50
Copaiba balsam, cns., dms lb. .90 - 1.20
Copper acetate, bbls., c.l., works lb. .43 - —
t.c.l., works lb. .44 - —
Carbonate, 55%, bgs., c.l., works. lb. .3475- —
t.c.l., works lb. .3625- —
Chloride, anhyd., bbls., works lb. .46½- —
cryst., bbls., works lb. .31½- .32
Cyanide, tech., bbls., 20,000-lb. lots or more lb. .77 - —
1,000-lb. lots or more lb. .78 - —
smaller lots lb. .80 - —
Gluconate, cns., dms lb. 3.00 - 3.24
Hydrate, dms., c.l., frt. alld. E. Miss. lb. .45¾- —
t.c.l., same basis lb. .46¼- —
Metal, electrolytic, dlvd., Valley basis lb. .43 - —
Naphthenate, liq., 8% Cu., dms., frt. alld. lb. .24 - —

Copper nitrate, tech., cryst., bbls., works lb. .33¼- —
Oleate, solid, 9% Cu, dms., works lb. .45 - —
Oxide, black, bbls., 500-lb. lots or more, works lb. .47½- .54½
red, 97%, USN Type I, bbls., lb. .59½- .68
90%, USN Type II, bbls., 500-lb. lots or more, works lb. .48½- .57½
Oxychloride, dms., c.l., works lb. .49¾- —
t.c.l., works lb. .50¼- .60¼
Quinolinate, fib. dms lb. 4.25 - 4.50
Resinate, precip., dms., frt. alld lb. .31½- —
Sulfate, CP, gran., bbls., works. lb. .2140- —
cryst., 99%, bgs., c.l., works. 100 lbs. 14.50 - —
t.c.l., same basis 100 lbs. 15.00 -17.50
monohydrated, 35% dms., c.l., works 100 lbs. 23.00 - —
t.c.l., works 100 lbs. 23.75 - —
tribasic, dealers, bgs., c.l., works, frt. equald 100 lbs. 32.75 - —
t.c.l., same basis 100 lbs. 34.25 - —
Undecylenate, dms lb 2.90 - 3.00
Copra, Atl. Gulf ports, c.i.f. ton. 152.50 Nom.
Pacific ports, c.i.f. ton. 147.50 Nom.
Coriander seed, Moroccan, bgs., afloat lb. .12½- .13
Roumanian, bgs. lb. .08 - .08½
Yugoslavian, bgs. lb. .08½- .09
Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min. 100 lbs 7.35 - —
t.c.l. 100 lbs. 7.46 - —
Syrup, 42° dms., c.l. 100 lbs 7.32 - —
t.c.l. 100 lbs. 7.46 - —
Corrosive sublimate (see Mercuric Chloride).
Cortisone acetate, NNR, bulk gram. 3.50 - 3.55

Chlorophyll, Conc.—Cyanamide, Fertilizer Mixing Grades

Cottonseed meal, expeller, 41%, bgs., Memphis ton. 55.00 - —
Coumarin, NF, cryst., dms. lb. 3.20 - 3.45
Cramp bark, NF, bls lb. .85 - .90
Cream of tartar (see Potassium bitartrate).
Creosote carbonate, NF, bots. cbys. lb. 3.05 - 3.26
Coaltar, crude, tanks, works, frt. adjusted gal. .22 —
soln., 80%, tanks, works gal. .2068- —
refd., dms., c.l., works gal. .40 - .42
t.c.l., same basis gal. .50 - .53
tanks, same basis gal. .30 - .33
Wood, beechwood, cbys., dms lb. 1.60 - 1.65
hardwood, NF, bots., cbys lb. 1.30 - 1.35
pinewood, tanks, works lb. .528 - —
Cresol, tech., 50% below 204°C., dry above 207°C., wide distillation range, non-ret., dms., c.l., frt equald lb. .148 - —
t.c.l., same basis lb. .151 - —
tanks, same basis lb. .135 - —
USP, non-ret., dms., c.l., same basis lb. .158 - —
t.c.l., same basis lb. .161 - —
ret ums., c.l., same basis lb. .140 - —
t.c.l., same basis lb. .145 - —
tanks, same basis lb. .145 - —
m-Cresol, 95-98%, dms., c.l., works. lb. .60 - —
t.c.l., works lb. .61 - —
m-p-Cresol, 5-95%, 3°C., dms., c.l., frt. equald lb. .158 - —
t.c.l., same basis lb. .161 - —
tanks, same basis lb. .145 - —
2-97%, 2°C., dms., c.l., frt. equald. lb. .198 - —
t.c.l., same basis lb. .201 - —
tanks, same basis lb. .185 - —

o-Cresol, m.p. over 30°C., ret. dms., c.l., frt. equald lb. .173 - —
t.c.l., same basis lb. .176 - —
tanks, same basis lb. .16 - —
29°C., ret. dms. c.l. frt. equald. lb. .16 - —
t.c.l., same basis lb. 16½- —
tanks, same basis lb. .15 - —
25-29°C., ums., c.l., frt. equald. lb. .153 - —
t.c.l., same basis lb. .156 - —
tanks, same basis lb. .14 - —
p-Cresol, 98%, dms., c.l., dlvd lb. .49 - —
t.c.l., dlvd lb. .51 - —
Methyl ether, cns lb. 1.90 - 2.50
Crotonaldehyde, 91-93%, dms., t.c.l., works lb. .24¼- .25
Cryolite, nat., product., bgs., c.l., works 100 lbs. 13.00 - —
t.c.l., works 100 lbs. 14.25 - —
Insecticide, dealers, bgs., c.l., dlvd 100 lbs. 16.75 - —
t.c.l., dlvd 100 lbs. 17.75 - —
Cube root, powd., 5% rotenone, bgs., c.l., t.l., works lb. .26 - .27
t.c.l., works lb. .27 - .27½
Cubeb berries, XX, NF, bgs. lb. .60 - .65
powd., cs lb. .75 - .80
Cumene, dms., c.l., works lb. .12 - —
t.c.l., works lb. .14 - —
tanks, works lb. .11 - —
Cumin seed, Iranian, bgs. lb. .12½- —
Turkish, bgs. lb. .12½- —
Cutch extract, 50% tannin, bgs., ex dock, duty extra lb. .08½- —
Cyanamide, fertilizer mixing grades, 21% N, gran., bgs., Niagara Falls, Ont., contract ton. 55.00 - —
pulv., 21% N, bgs., works, unit-ton. 2.75 - —

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Cyanamide, Indust. Grade—m-Dinitrobenzene

Cyanamide, indust., grade, bgs., c.l., works ton 75.00 - —
l.c.l., bgs., works ton 96.00 - —
6-16 mesh, dms. c.l., works ton 120.00 - —
l.c.l., works ton 140.00 - —

Cyclohexane, 99%, tech., dms., c.l., works gal. .70 - —
l.c.l., works gal. .72 - —
tanks, works gal. .55 - —

Cyclohexanol, tech., dms., c.l., works, frt. alld., E lb. .28½- .37¾
l.c.l. works, same basis lb. .30 - .38¼
tanks, works, same basis lb. .27 - .36¼

Cyclohexanone, tech., dms., c.l., works lb. .33½- —
l.c.l., works lb. .35 - —
tanks works lb. .32 - —

Cyclohexylamine, dms., c.l., works. lb. .46½- —
l.c.l., works lb. .47½- —
tanks, works lb. .45 - —

Cyclopropane, CP, 2-lb. cyls., works. cyl 48.00 - —
6 oz. cyls., works cyl 12.00 - —

USP, hospitals, cyls., 40-gal. lots. gal. .38 - —
100-gal. lots gal. .37 - —
200-gal. lots gal. .36 - —

D

2,4-D, tech., dms., c.l., works, frt. equald lb. .41½- —
l.c.l. same basas lb. .46½- .48¼

2,4-D, butyl ester, dms., c.l., works. lb. .43 - —
l.c.l., same basis lb. .48 - .50

Isopropyl ester, dms., c.l., works. lb. .43 - —
l.c.l., works lb. .48 - .50

Dandelion root, bls lb. .35 - .40

DDD, tech., flake, grd., fib. bgs., c.l., works lb. .45 - —
l.c.l., works lb. .46 - —

DDT powder, bgs., c.l., works, frt. equald lb. .27 - —
smaller lots, same basis lb. .29 - —
fib. dms., c.l., same basis lb. .28 - —
smaller lots, same basis lb. .30 - —

1-Decanol, tech., dms., c.l., dlvd lb. .41 - —
l.c.l., dlvd. lb. .43 - —
tanks, dlvd. lb. .38½- —

Deertongue leaves, bls lb. .45 - —

Defluorinated phosphate, feed grade, 13% P, paper bgs., c.l., t.l., works ton 53.40 - —
14½% P, paper bgs., c.l., t.l., works ton 48.00 - —
17% P, paper bgs., c.l., t.l., works ton 56.00 - —
18% P, paper bgs., c.l., t.l., works ton 69.85 - —

Degras, common, bbls lb. .10 - —
neutral, less 2% f.f.a., bbls lb. .23 - —
over 2% f.f.a., bbls lb. .22 - —

d-Desoxyephedrine hydrochloride bots lb. 25.00 - —
dl, bots. lb. 6.50 - —

Dextrin, corn, gum, paper bgs., c.l. 100 lbs. 9.15 - —
l.c.l. 100 lbs. 9.30 - —
canary, paper bgs., c.l. 100 lbs. 8.89 - —
l.c.l. 100 lbs. 9.04 - —
dark, paper bgs., c.l. 100 lbs. 8.99 - —
l.c.l. 100 lbs. 9.14 - —
white, paper bgs., c.l. 100 lbs. 8.73 - —
l.c.l. 100 lbs. 8.88 - —
Corn dextrin in cotton bgs. 25c. per 100 lbs. higher.

Potato, bgs lb. .10½- .11

Dextrose, USP, dms lb. .17¼- —
Diacetone (see Alcohol diacetone).
Diacetyl, flavor grade, bots lb. 4.50 - 5.50

Di-sec-amyl phenol, dms., c.l., works lb. .30¾- —
l.c.l., works lb. .32¼- —
tanks, works lb. .28¾- —

Di-tert-amyl phenol, dms., c.l., works lb. .30¾- —
l.c.l., works lb. .32¼- —
tanks, works lb. .28¾- —

o-Dianisidine, fib. dms lb. 2.00 - —

Dibenzyl sebacate, dms., c.l., works. lb. .89¾- .90
l.c.l., same basis lb. .90¼- .91
tanks, same basis lb. .88 - —

p-Dibromobenzene, bgs., 500-lb. lots o. .55 - —

Dibutyl phthalate, dms., c.l., dlvd. E lb. .32 - —
l.c.l., same basis lb. .33 - —
tanks, same basis lb. .30 - —

Sebacate, dms., c.l., works lb. .66 - —
l.c.l., works lb. .66½- .67
tanks, works, dlvd lb. .64 - .64½

Tartrate, dms., works, frt. alld lb. .64 - .71

Dibutylamine, dms., c.l., dlvd lb. .55 - —
l.c.l., same basis lb. .56 - —
tanks, same basis lb. .53 - —

Di-tert-butyl-p-cresol, dms., c.l., works lb. .91 - —
l.c.l., works lb. .95 - —

Dicapryl phthalate, dms., c.l., dlvd., lb. .30½- .31½
l.c.l., dlvd lb. .31½- .32½
tanks, dlvd lb. .29½- —

Sebacate, dms., c.l., works lb. .63 - —
l.c.l., works lb. .63½- .64
tanks, works lb. .61 - —

2,5-Dichloroaniline, dms., works lb. .83 - —

o-Dichlorobenzene, dms., c.l., frt. alld. E lb. .12¼- —
l.c.l., same basis lb. .13¼- —
tanks, same basis lb. .10¾- —

p-Dichlorobenzene, dms., c.l., frt. alld. E lb. .14½- —
l.c.l., same basis lb. .17 - —

Dichlorodiphenyltrichloroethane (see DDT).

Dichloropentanes, dist., dms., c.l., works lb. .05 - —
l.c.l., works lb. .05¾- —
tanks, works lb. .04¼- —

Dicyclohexylamine, dms., c.l., works. lb. .51 - —
l.c.l., works lb. .51¾- —
tanks, works lb. .49¾- —

Dicyclohexyl phthalate, fib. dms., c.l., works, frt. alld. lb. .58¼- .59
l.c.l. same basis lb. .59¼- .60

Dieldrin, dms., frt. alld lb. 1.80 - —
l.c.l., frt. alld lb. 1.85 - —

Diethanolamine, dms., c.l., dlvd. E. lb. .26½- —
l.c.l., same basis lb. .27½- —
tanks, same basis lb. .24½- —

Diethyl carbonate, dms., c.l., frt. alld lb. .47 - —
l.c.l., same basis lb. .48 - —
tanks same basis lb. .45 - —

Ethanolamines, dms., c.l., dlvd. lb. .69 - —
l.c.l., dlvd lb. .70 - —
tanks, dlvd lb. .67 - —

Oxalate, dms., c.l., frt. alld lb. .42 - —
l.c.l., same basis lb. .43 - .45
tanks, same basis lb. .40 - —

Phthalate, dms., c.l., dlvd lb. .27 - —
l.c.l. dlvd. lb. .28 - —
tanks, dlvd. lb. .25 - —

Sulfate, dms., c.l., works lb. .18¾- —
l.c.l. works lb. .19¼- —
tanks works lb. .17 - —

Diethylamine, dms., c.l., dlvd. E lb. .50½- —
l.c.l., same basis lb. .51½- —
tanks same basis lb. .48½- —

N,N-Diethylaniline, dms., c.l., frt. alld lb. .51 - —
l.c.l., same basis lb. .52 - —
tanks, same basis lb. .50 - —

Di-2-ethylhexyl adipate (see Dioctyl adipate).
Phthalate (see Dioctyl phthalate).

Diethylene glycol, dms., c.l., dlvd. E. lb. .17¼- —
l.c.l., same basis lb. .18¼- —
tanks, same basis lb. .15¼- —

Boriborate, dms., l.c.l. lb. .31 - —
Diethyl ether, dms., works lb. .47½- —
l.c.l., works lb. .48 - —

Monobutyl ether, dms., c.l., works lb. .28¾- —
l.c.l., works lb. .29¼- —
tanks, works lb. .27 - —
Acetate, dms., c.l., works lb. .30 - —
l.c.l., works lb. .30½- —
tanks, dlvd. E lb. .28¼- —

Monoethyl ether, dms., c.l., dlvd. lb. .22 - —
l.c.l., dlvd lb. .23 - —
tanks, dlvd lb. .20 - —
Acetate, dms., c.l., works lb. .26¾- —
l.c.l., works lb. .27¼- —
tanks, dlvd. E lb. .25¼- —

Monomethyl ether, dms., c.l., dlvd. lb. .20½- —
l.c.l., dlvd lb. .21½- —
tanks, dlvd lb. .18½- —

Diethylenetriamine, dms., c.l., dlvd. E. lb. .43 - —
l.c.l., same basis lb. .44 - —
tanks, same basis lb. .41¼- —

Diethylstilbestrol, USP, bots., 10-kilo lots kilo. 100.00 - —
1-kilo lot kilo. 110.00 - —

Digitalis leaves, USP, dom., dms., lb .90 - 1.10

Digitoxin, USP, bots. gram. 5.00 - 5.50

Diglycol laurate, dms. lb. .35 - .38
Oleate, dms lb. .31 - —
Stearate, dms lb. .26 - .27

Dihexyl sebacate, dms., c.l., works lb. .64 - —
l.c.l., works lb. .64½- .65
tanks, works lb. .62 - —

Dihydrazine sulfate, dms., works. lb. 1.10 - 1.25

Dihydrostreptomycin hydrochloride, bulk gram. .07 - .09
Sulphate, bulk gram. .07 - .09

2,2-Dihydroxy-5,5'-dichloro-diphenyl-methane, pure, dms lb. 2.80 - 3.00
tech. dms lb. 1.04 - 1.14

Di-isobutyl ketone, dms., c.l., dlvd. lb. .15½- —
l.c.l., dlvd lb. .16½- —
tanks, same basis lb. .13½- —
Phthalate, dms., c.l., dlvd. E lb. .31 - —
l.c.l. same basis lb. .32 - —
tanks, same basis lb. .29 - —

Di-isobutylene, dms., c.l., dlvd. E lb. .10 - —
l.c.l., dlvd. E lb. .11 - —
tanks, dlvd E lb. .08 - —

Di-iso-octyl phthalate, dms., c.l., dlvd lb. .32½- —
l.c.l., same basis lb. .33½- —
tanks, same basis lb. .30½- —

Sebacate, dms., c.l., works, lb. .63 - —
l.c.l., works lb. .63½- .64
tanks, works lb. .61 - —

Di-isopropanolamine, dms., c.l., dlvd. lb. .22¾- —
l.c.l., same basis lb. .23¼- —
tanks, same basis lb. .20¾- —

Di-isopropylamine, dms., c.l., dlvd. E. of Rockies lb. .50 - —
l.c.l., same basis lb. .51 - —
tanks, same basis lb. .48 - —

Dillseed, dewhiskered, bgs. lb. .10½- —
nat., bgs. lb. .09½- —

Dimethyl anthranilate, cns. lb. 5.25 - 5.75

Chloroacetal, dms., c.l., works lb. .45 - —
l.c.l., works lb. .50 - —
tanks, works lb. .40 - —

Ethanolamines, anhyd., dms., c.l., dlvd. lb. 1.43 - —
l.c.l., dlvd lb. 1.45 - —
tanks, dlvd lb. 1.40 - —

Dimethylethanolamines, 70%, dms., c.l., dlvd., 100% basis lb. 1.02 - —
l.c.l., dlvd., 100% basis lb. 1.03 - —
tanks, dlvd., 100% basis lb. 1.00 - —

Hydroquinone, dms. lb. 1.70 - 2.75

Phthalate, dms., c.l., works lb. .29½- —
l.c.l., works lb. .30½- —
tanks, dlvd. lb. .27½- —

Sebacate, dms., c.l., works lb. 1.27 - —
l.c.l., works lb. 1.28 - —
tanks, works lb. 1.25 - —

Sulfate, 55-gal., ret. dms., c.l. works lb. .15 - —
l.c.l. works lb .16 - —
10-gal. ret. dms., l.c.l., works. lb. .16½- —

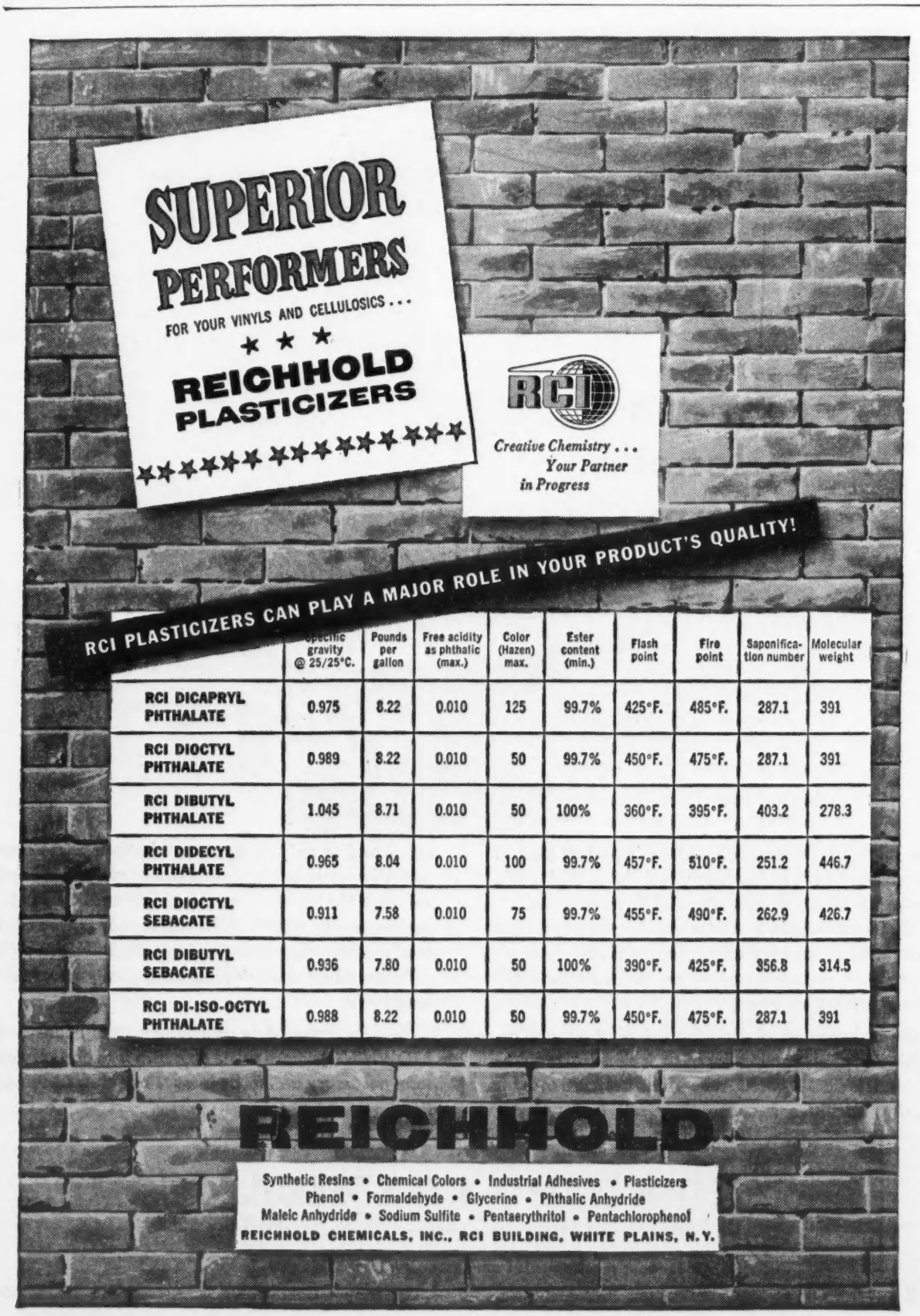
Dimethylamine, 25% soln., dms., c.l., frt. equald lb. .42 - —
l.c.l., frt. equald lb. .42½- —
tanks, frt. equald lb. .33 - —
40% soln., dms., c.l., frt. equald lb. .39 - —
l.c.l., frt. equald lb. .39½- —
tanks, frt. equald lb. .33 - —

N,N-Dimethylaniline, dms., c.l., frt. alld lb. .29½- —
l.c.l., frt. alld lb. .30½- —
tanks, frt. alld lb. .28½- —

N,N-Dimethylformamide dms., works. lb. .34 - .39
tanks, works lb. .32 - —

2,4-Dinitroaniline, dms., frt. equald lb. .57 - —

m-Dinitrobenzene, 85°C., dms lb. .22 - —
89°C., dms. lb. .24 - —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Maleic Anhydride • Sodium Sulfite • Pentaerythritol • Pentachlorophenol
REICHHOLD CHEMICALS, INC., RCI BUILDING, WHITE PLAINS, N.Y.

	Specific gravity @ 25/25°C.	Pounds per gallon	Free acidity as phthalic (max.)	Color (Hazen) max.	Ester content (min.)	Flash point	Fire point	Saponification number	Molecular weight
RCI DICAPRYL PHTHALATE	0.975	8.22	0.010	125	99.7%	425°F.	485°F.	287.1	391
RCI DIOCTYL PHTHALATE	0.989	8.22	0.010	50	99.7%	450°F.	475°F.	287.1	391
RCI DIBUTYL PHTHALATE	1.045	8.71	0.010	50	100%	360°F.	395°F.	403.2	278.3
RCI DIDECYL PHTHALATE	0.965	8.04	0.010	100	99.7%	457°F.	510°F.	251.2	446.7
RCI DIOCTYL SEBACATE	0.911	7.58	0.010	75	99.7%	455°F.	490°F.	262.9	426.7
RCI DIBUTYL SEBACATE	0.936	7.80	0.010	50	100%	390°F.	425°F.	356.8	314.5
RCI DI-ISO-OCTYL PHTHALATE	0.988	8.22	0.010	50	99.7%	450°F.	475°F.	287.1	391

2,4-Dinitrochlorobenzene, dms., c.l., frt. alld. E lb. .15¼ - —
l.c.l., frt. alld E lb. .15¾ - —
tanks, frt. alld., E lb. .15 - —
2,4-Dinitrophenol, bbls. lb. .37 - —
2,4-Dinitrotoluene, oily, dms. lb. .10 - —
refd., 63 C., dms lb. .21 - —
Dioctyl adipate, dms., c.l., works, lb. .44½ - —
l.c.l., works lb. .45½ - —
tanks, works lb. .42½ - —
Phthalate, dms., c.l., frt. alld. lb. .32½ - —
l.c.l., frt. alld lb. .33½ - —
tanks, frt. alld lb. .30½ - —
Sebacate, dms., c.l., works, lb. .60 - —
l.c.l., works lb. .60½ - .61
tanks, works, dlvd lb. .58 - .58½
Di-o-tolyguanidine, dms., ton lots, dlvd lb. .60 - —
smaller lots, dlvd lb. .61 —
1,4-Dioxane, dms., c.l., works lb. .28¾ - —
l.c.l., same basis lb. .29¼ - —
tanks, same basis lb. .27 - —
Dip oil (see Tar acid oil).
Dipentaerythritol, bgs., l.c.l., works, .35 - —
Dipentene, dest-dist., dms., c.l., works, gal. .47 - —
l.c.l., works gal. .52 - —
ex-whse gal. .64 - —
steam-dist., dms., c.l., works, South. gal. .59 - —
dlvd., N. Y. gal. .67 - —
tanks, works, South gal. .45 - —
Diphenyl, bbls., c.l., works lb. .15 - —
l.c.l., works lb. .16 - —
Diphenyl in bags ¼c. lower.
Oxide, perfume grade, cns lb. .54 - .61
Phthalate, dms., c.l., works lb. .51¾ - —
l.c.l., works lb. .53¾ - —
Diphenylguanidine, bgs., dms., ton lots lb. .50 - —
smaller lots lb. .51 - .52
Diphenylhydantoin-sodium USP, dms lb. 5.30 5.60
Dipropylene glycol, dms., c.l., frt. alld. lb. .17¼ - —
l.c.l., same basis lb. .18¼ - —
tanks, same basis lb. .15¼ - —
Monomethyl ether, dms., c.l., dlvd. E lb. .20 - —
l.c.l., same basis lb. .21 - —
tanks, same basis lb. .18½ - —
Divi-divi, 45% tannin, bgs., bls., c.l., U.S. ports, exdock ton 70.00 - 72.00
Divinylbenzene 20-25% dms., c.l., works lb. .20 —
l.c.l., works lb. .21 —
tanks, works lb. .19 - —
40-50%, dms. c.l., works, 100% basis lb. 1.00 - —
l.c.l., works, 100% basis lb. 1.15 - —
Dodecylbenzene, dms., c.l., frt. equald. lb. .14 - —
l.c.l., same basis lb. .15 - —
tanks, same basis lb. .12 - —
Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb and 1-lb. lots, dlvd:—
Blue, FD & C, No. 1, cns. lb. 17.00 -17.60
No. 2, cns lb. 17.00 -17.60
Green, FD & C, No. 1, cns. lb. 17.00 -17.60
No. 2, cns lb. 22.20 -22.85
No. 3 cns lb. 35.25 -35.90
Orange, FD & C, No. 1, cns. lb. 3.65 - 3.75
No. 2, cns lb. 4.65 - 4.75
Red, FD & C, No. 1, cns. lb. 7.55 - 7.85
No. 2, cns lb. 4.00 - 4.10
No. 3, cns lb. 22.20 -22.85
No. 4, cns lb. 7.20 - 7.50
No. 32, cns lb. 5.30 - 5.40
Violet, FD & C, No. 1, cns. lb. 17.00 -17.60
Yellow, FD & C, No. 1, cns. lb. 10.50 -11.05
No. 3, cns lb. 3.30 - 3.40
No. 4, cns lb. 3.30 - 3.40
No. 5 cns lb. 4.00 - 4.10
No. 6, cns lb. 4.00 - 4.10
Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd:—
Black, D&C, No. 1, cns. lb. 10.95 —
Brown, D&C, No. 1, cns. lb. 16.10 —
Green, D&C, No. 5, cns. lb. 16.10 —
No. 6, cns lb. 16.10 —
No. 7, cns lb. 14.80 —
Orange, D&C, No. 3, cns. lb. 10.95 —
No. 4, cns lb. 20.05 —
No. 5, cns lb. 5.70 —
No. 10, cns lb. 20.70 —
Red, D&C, No. 8, cns. lb. 2.85 —
No. 9, cns lb. 2.85 —
No. 10, cns lb. 2.30 —
No. 11, cns lb. 1.85 —
No. 12, cns lb. 2.65 —
No. 17, cns lb. 10.95 —
No. 18, cns lb. 24.00 —
No. 19, cns lb. 15.45 —
No. 21, cns lb. 3.60 —
No. 22, cns lb. 10.95 —
No. 28, cns lb. 24.65 —
No. 33, cns lb. 17.45 —
Violet, D&C, No. 2, cns. lb. 16.10 —
Yellow, D&C, No. 7, cns. lb. 10.95 —
No. 10, cns lb. 13.50 —
No 11, cns lb. 13.50 —
Dyes, coaltar, certified, colors for drugs and cosmetics, external use, 1-lb. lots, works, 25-50 lb. lots dlvd:—
Blue, Ext., D&C, No. 1, cns. lb. 16.10 —
Green, Ext., D&C, No. 1, cns. lb. 16.10 —
Red, Ext., D&C, No. 1, cns lb. 13.50 —
Yellow, Ext., D&C, No. 1, cns. lb. 10.95 —
Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype), contract, dlvd. No.
20 Chrysoidine Y, dustless lb. .81 —
27 Fast light orange 2G lb. .99 —
31 Phloxine 2G lb. .81 —
36 Yellow 2G lb. .91 —
40 Orange R extra, conc. lb. 1.17 —
57 Fuchsine 6B lb. 1.19 —
79 Scarlet 2R lb. .89 —
151 Orange AD lb. .61 —
161 Orange RR lb. .73 —
176 Fast red A lb. 1.07 —
179 Rubine XX, conc. lb. 1.14 —
180 Blue F4B lb. 1.01 —
185 Brilliant scarlet 3RN, conc. lb. .93 —
202 Chrome blue black R, conc. lb. .83 —
203 Chrome black T lb. .86 —
208 Fast blue SR lb. 1.00 —
216 Chrome red B lb. .84 —
234 Brown Y lb. .98 —
246 Blue black, extra, conc. lb. 1.05 —
275 Milling red 3R, conc. lb. 2.03 —
289 Navy blue 3R, conc. lb. 1.31 —
299 Black F, conc. lb. 1.69 —
304 Neutral black 2B, conc. lb. 2.21 —
326 Fast scarlet 4BNC lb. 1.64 —
332 Bismark brown RX, conc. lb. 1.05 —
365 Brilliant yellow, conc. lb. 2.83 —
382 Scarlet R lb. 2.00 —
401 Diazo black BHD lb. .72 —
406 Blue 2B, extra conc. lb. 1.18 —
419 Red FC, conc. lb. 1.12 —
420 Brown M lb. 1.08 —
448 Red 4BX, conc. lb. 1.30 —
518 Diamine sky blue FF, extra, conc. lb. 1.50 —
561 Brown B lb. 2.23 —
581 Black EB, 200% lb. 1.03 —
593 Green BY, conc. lb. .79 —
596 Yellow Brown K, extra lb. .98 —
620 Yellow 2G lb. 1.79 —
640 Yellow XX lb. 1.77 —
655 Yellow OX lb. 2.04 —
657 Green V lb. 2.10 —
662 Brilliant green G lb. 2.79 —
Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype), contract, dlvd., No.
667 Brilliant milling green 6B, conc. lb. 3.68 —
671 Blue EG lb. 1.70 —
681 Crystal violet powder lb. 2.15 —
698 Violet 4BXN lb. 1.74 —
720 Brilliant blue BBG lb. 1.88 —
729 Blue B, conc lb. 2.79 —
749 Red BX lb. 4.33 —
814 Yellow NN, conc lb. 3.11 —
841 Safranine GF, extra, conc. lb. 3.17 —
865 Nigrosine WSJ lb. .79 —
922 Blue GXX lb. 1.71 —
978 Black GXCF, conc lb. .32 —
1034 Alizarine red SC lb. 2.59 —
1054 Alizarine blue SAPX lb. 2.91 —
1078 Alizarine green CG, extra. lb. 2.72 —
1085 Alizarine blue, black, B lb. 2.33 —
1096 Golden orange GFD, single paste lb. 1.99 —
1099 Dark blue BO, single paste. lb. 1.75 —
1101 Jade green N, double paste. lb. 1.98 —
1106 Blue RS, double paste lb. 3.26 —
1217 Orange RD, single paste lb. 1.65 —
1113 Blue BLFD, double paste. lb. 2.48 —
1150 Olive R, single paste lb. 1.10 —
1151 Brown R, single paste lb. 1.76 —
1171 Indigo synthetic, 20% paste. lb. .31 —
p-4 Brown PG lb. 2.30 —
p-14 Brown EB lb. 1.66 —
p-24 Gray L lb. 1.60 —
p-80 Diazo brilliant scarlet ROAD lb. 2.79 —
p-202 Diazo black VJ, conc. lb. 1.91 —
p-244 Brilliant scarlet BN lb. 1.31 —
p-313 Naphthol SWF lb. 2.42 —
Dyes, coaltar, for stains, oil-soluble, 100-lb. dms., sellers' works
Black blue No. 550 lb. .81 —
Jet No. 551 lb. .89 —
Brown R, conc lb. 1.72 —
Orange R, brilliant lb. .90 —
Red 4B, conc lb. 1.37 —
Yellow C lb. 1.18 —
FN, conc lb. 1.22 —
Dyes, coaltar, for stains, spirit-soluble, 100-lb. dms., sellers' works:—
Auramine O lb. 1.83 —
Black, basic blue lb. 1.21 —
Jet lb. 1.21 —
Blue, methylene, 2B, conc. lb. 1.71 —
Brown Bismarck R, conc. lb. .86 —
Chrysoidine, R, extra lb. .60 —
Y, extra lb. .64 —
Fuchsine, conc lb. 3.08 —
Green, malachite, conc. lb. 2.10 —
Rhodamine, B lb. 4.33 —
Safranine, Y, conc. lb. 2.90 —
Violet, methyl, B lb. 1.10 —
Dyes, coaltar, for stains, water-soluble, 100-lb. dms., sellers' works:—
Azo rubine R, extra, conc. lb. 1.04 —
Black, acid blue, B, extra lb. .86 —
Fast light, 3 G, extra lb. 2.04 —
Methanil, conc lb. .91 —
Orange acid, Y, conc lb. .47 —
Scarlet croceine, MOO lb. 1.45 —
Yellow, azo, conc lb. .90 —
Oil-soluble, spirit-soluble, water-soluble in kegs, 3c. higher; tins, 10c. higher.

E

Echinacea root, bls lb. 1.10 - —
Egg albumin (see Albumin).
Yolk, dried, dom., bbls lb. 1.04 - 1.06
tanners, bbls lb. .06 - .06½
Elm bark, grinding, bls lb. .30 - .32
powd., bbls., bxs lb. .45 - —
select, bundles lb. .75 - —
Emetine hydrochloride, USP, bots oz. 42.50 -44.00
Endrin, tech., dms., dlvd., 100% basis lb. 3.75 - —
Ephedrine, syn., USP, anhyd., bots., 100-oz. lots oz. .98 - 1.00
hydrous, bots., 100-oz. lots oz. .92 - —
Hydrochloride, tins, 100-oz. lots. oz. .73 - —
Sulfate, cryst., tins, 100-oz. lots. oz. .72 - —
powd., tins 100-oz. lots oz. .73 - —
Epichlorohydrin, dms., c.l., dlvd. lb. .35 - —
l.c.l., dlvd lb. .36 - —
tanks, dlvd lb. .33 - —
Epinephrine, syn., USP, bots., 100-gram lots gram .45 - .53
Epsom salt (see Magnesium sulfate).
Ergosterol, unirradiated, cryst. kilo. 150.00 - —
Ergot, NF, dms., tin-lined lb 3.00 - —
Eserine salicylate, bots oz. 84.00 - —
Sulfate, bots oz. 84.00 - —
Ether (see specific product).
Ethyl acetate, nat. ferment., 85-88%, dms., c.l., frt. alld. lb. .13 - —
l.c.l., frt. alld lb. .14 - —
tanks, frt. alld lb. .11 - —
95-98%, dms., c.l., frt. alld. lb. .13¼ - —
l.c.l., frt. alld lb. .14¼ - —
tanks, frt. alld lb. .11¼ - —

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CHEMICAL COMPANY
104-112 LISTER AVENUE
NEWARK, NEW JERSEY

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dioctyl phthalate
.....
dibutyl phthalate
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Ethyl Acetate, Nat.—Glue, Bone

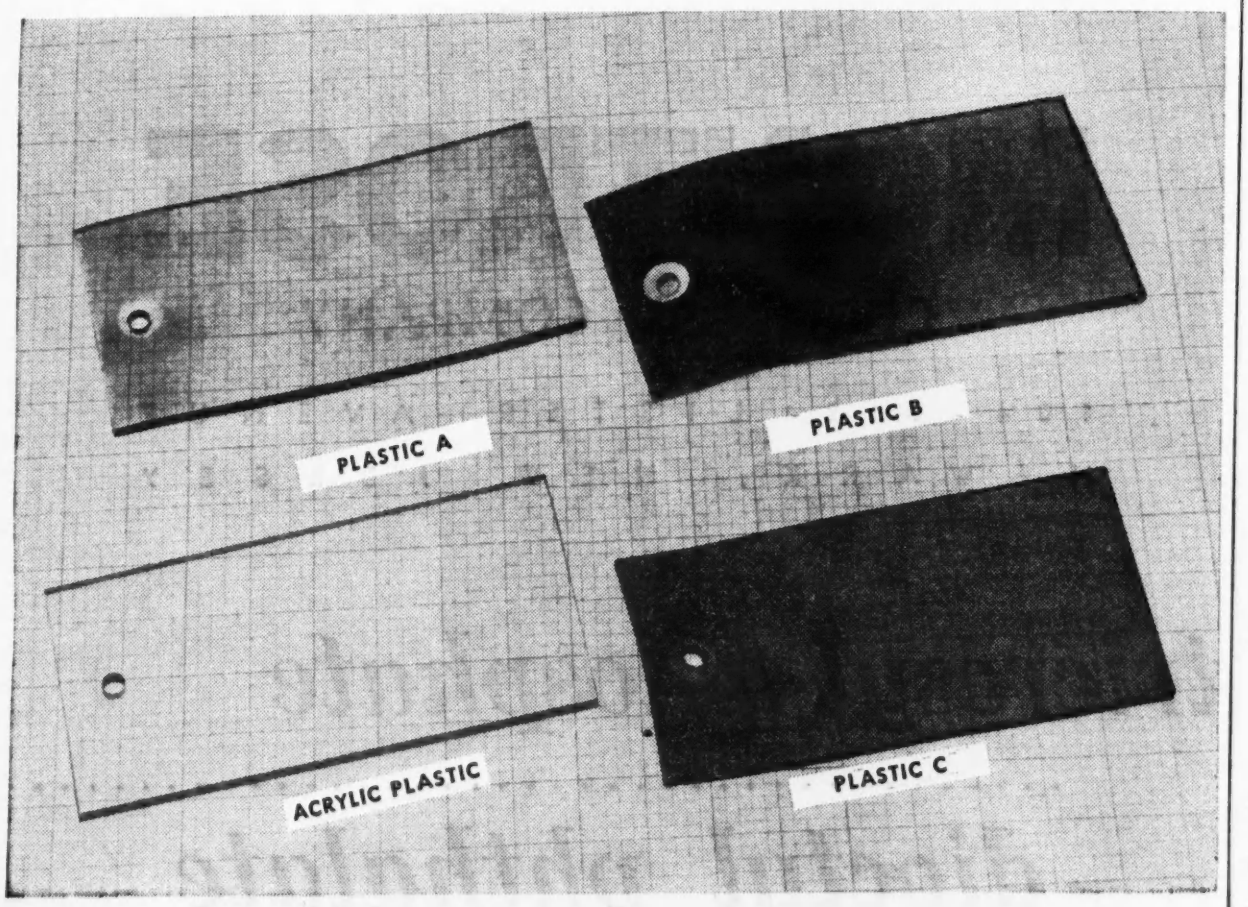
Ethyl acetate, nat., ferment, 99%, dms., c.l., frt. alld. lb. .13½- —
l.c.l., frt. alld lb. .14½- —
tanks, frt. alld lb. .11½- —
syn., 85-88%, dms., c.l., dlvd lb. .13 - —
l.c.l., dlvd lb. .14 - —
tanks, dlvd lb. .11 - —
95-98%, dms., c.l., dlvd lb. .13¼- —
l.c.l., dlvd. lb. .14¼- —
tanks, dlvd. lb. .11¼- —
99%, dms., c.l., dlvd lb. .13½- —
l.c.l., dlvd lb. .14½- —
tanks, dlvd. lb. .11½- —
Acetoacetate, dms., c.l., dlvd lb. .58 - —
l.c.l. dlvd lb. .59 - —
tanks, dlvd lb. .56 - —
Acrylate, dms., c.l., t.l., dlvd lb. .40½- —
l.t.l., dlvd. lb. .41½- —
tanks, dlvd lb. .38¾- —
Aminobenzoate, USP (see Benzocaine).
Bromide, tech., 98%, dms., c.l., frt. alld. E lb. .43 - —
l.c.l., frt. alld. E lb. .45 - —
Butyrate, works lb .80 - 1.02
Carbamate (see Urethane).
Cellulose vis. 7 cps., bgs., 5,000-lb. lots or more, works lb. .70 - —
smaller lots, works lb. .72 - .80
vis. 10, 20, 50, 100, 150 cps., bgs., 2,000-lb. lots or more, works lb. .65 .70
smaller lots, works lb .67 .81
Chloride, tech., cyl., works lb. .20 .22
dms., works lb. .18 .20
tanks, works lb. .10 —
Butyl ketone, dms., c.l., works lb. .35½- —
l.c.l., works lb. .36 - —
tanks, works lb. .34 - —
Ethyl cinnamate, cns. lb. 2.71 - 3.45
Ethanolamines, mixed, dms., c.l., frt. alld. E. Miss lb. .42½- —
l.c.l., same basis lb. .43½- —
tanks, same basis lb. 40½- —
indust., dms., c.l., dlvd. E lb. .12 - —
l.c.l. dlvd. E lb. .13 - —
tanks, dlvd E lb. .10 - —
Ether, absolute, ACS, dms lb. .27 - —
anesthesia, USP, hospitals, 1-lb. cns lb. .89 - —
½ lb cns lb .37 - —
¼ lb. cns lb 1.05 - —
indust., c.l., dlvd. E lb. .12 - —
l.c.l., dlvd. E lb. .13 - —
tanks, dlvd. E. lb. .10 - —
Gallate, dms., 100 to 2,000-lb. lots. lb. 3.90 - 4.40
Iodide, cbys., works lb 3.30 - —
Methacrylate, dms., c.l., and less than truckload works, frt. equald. lb. .51½- .52
Morphine hydrochloride, USP, bots oz. 11.85 - —
Nitrite (see Nitrous ether).
Oenanthate, dms. lb 1.00 1.50
Oleate, dms., l.c.l., works lb No prices.
Oxalate (see Diethyl oxalate).
Silicate dist. (see Tetraethylorthosilicate).
40% available SiO_2, dms., c.l., dlvd lb. .49 - —
l.c.l., dlvd lb. .50 - —
tanks, dlvd lb. .47 - —
N-Ethyl-a-naphthylamine dms., works lb. 1.02 - —
N-Ethyl-o-toluidine, bbls lb. .88 - —
Ethylamine (see Mono, Di- or Tri-)
N-Ethylaniline, dms., c.l., frt. alld. lb. .51 - —
l.c.l., frt. alld lb. .52 - —
tanks, frt. alld lb. .50 - —
Ethylbenzene, 99%, dms., c.l. lb. .19½- .20¼
l.c.l. lb. .20½- .21¼
tanks lb. .18¼- —
Ethylene dichloride, dms., c.l., dlvd. lb. .10¼- —
l.c.l., same basis lb. .12¼- —
tanks, same basis lb. .03 - —
Ethylene dichloride prices 1c. per lb. higher.
Glycol, indust., dms., c.l., dlvd. E. lb. .15½- —
l.c.l., same basis lb. .16½- —
tanks, same basis lb. .13½- —
Monobutyl ether, dms., c.l., dlvd. E lb. .21½- —
l.c.l., dlvd. E lb. .22½- —
tanks, dlvd. E lb. .19½- —
Monoethyl ether, dms., c.l., dlvd. E lb. .20½- —
l.c.l., dlvd. E lb. .21½- —
tanks, dlvd. E lb. .18½- —
Acetate, dms., c.l., dlvd. E lb. .18½- —
l.c.l., dlvd. E lb. .19½- —
tanks, dlvd. E lb. .16½- —
Monomethyl ether dms., c.l., dlvd. E lb. .20½- —
l.c.l., dlvd. E lb. .21½- —
tanks, dlvd. E lb. .18½- —
Acetate, dms., c.l., dlvd. E lb. .28¾- —
l.c.l., dlvd. E lb. .29¼- —
tanks, dlvd. E lb. .27 - —
Monostearate, triple pressed, dms lb. .34 - —
Oxide, dms., c.l., dlvd. E lb. .21½- —
l.c.l., dlvd. E lb. .24½- —
tanks, dlvd. E lb. .15½- —
Trichloride (see Trichloroethane).
Ethylenediamine, 85-88%, dms., c.l., dlvd. E., 100% basis lb. .46 - —
l.c.l., dlvd. E., 100% basis lb. .47 - —
tanks, dlvd. E., 100% basis lb. .44 - —
Ethylvanillin, cns., 25-lb. lots lb. 6.75 - 7.30
smaller lots lb 7.35 7.40
Eucalyptol, USP, cns., dms lb 1.40 - 1.50
Eugenol, USP, bots. lb. 2.20 - 3.25
Euphorbia herb, bls lb. .15 - .17

F

Feldspar, 140-200 mesh, bulk, c.l., works ton.15.50 - —
Feldspar in bags $3 per ton higher.
Fennel seed, Argentine, bgs. lb. .17 - —
Czech, medium, bgs. lb. .12 - —
Indian, light, bgs. lb. .11½- .12
Fenugreek seed, Indian, bgs. lb. .09 - —
Moroccan, bgs. lb. .09 - —
Ferric acetate, liquor, 28°, bbls., c.l., works lb. .09 - —
l.c.l., works lb. .09¾- —
soln., USP IX, cbys. lb. .16 - —
djns. lb. .17 - —
Cacodylate, NF, bots lb. 13.00 -14.00
Chloride, anhyd., tech., dms., c.l., works 100 lbs. 6.75 - —
l.c.l., works 100 lbs. 7.60 - —
indust. cryst. bbls. c.l., works. 100 lbs. 4.75 - 5.25
l.c.l., works 100 lbs. 5.75 - 6.25
42° Be, photo grade, cbys., c.l., works 100 lbs. 7.25 - 8.25
sewage grade, tanks, frt. equald, 100% basis. 100 lbs. 3.50 - —
USP cryst. dms. works lb .07½- .09
Citrate, gran., dms. lb. .86 - —
Hydrophosphite, NF, dms lb. 3.45 - —
Naphthenate liq., 6% Fe., dms., frt. alld lb. .25¾- —
Oxalate, gran., dms. lb. .85 - .87
Phosphate, NF, soluble, gran., pearls cs lb. .64 - .65
Pyrophosphate, NF VII, soluble, gran., pearls, dms lb. .78 - .81
Resinate, 6¾% Fe, dms., frt. alld lb. .29½- —
Stearate, dms., c.l., frt. alld lb. .37 - —
l.c.l., frt. alld lb. .38 - .42
Sulfate, partially hydrated, bgs., c.l., works ton.31.75 -33.75
l.c.l., works ton 34 75 -40 75
lb. .37 - —
Ferric-ammonium citrate, brown, NF, gran., dms lb. .56 - .59
green, USP XII, gran., dms lb. .56 - .59
Oxalate, fine gran., dms lb. .25½- .28⅛
Ferric-potassium, oxalate, fine gran., dms lb. .30½- .33⅛
Ferric-sodium oxalate, fine gran., dms lb. .25½- .28⅛
Ferrous gluconate, NF, dms lb. .88 - —
Sulfate, gran., bgs., c.l., works. ton.34.50 - —
l.c.l., dlvd. Metropolitan area 100 lbs 3.35 - 4.25
bbls., c.l., works ton.40.00 - —
bulk, c.l., works ton.27 00 - —
USP cryst., bbls., dms lb 09½- .10
Fir balsam, Canada, cns gal.32.00 - —
Oregon, bbls gal. 4.00 - —
Fishliver oil (see Oil fishliver).
Fishmeal, dom., menhaden, 60% protein grd., bgs., Chesapeake Bay area ton.133.00 - Nom.
Fishscrap, menhaden, dried, 60% protein, bgs., Balto area ton.129.00 - Nom.
Formaldehyde, NF, 37%, (inhibited), methanol, Zone 1, dms., c.l., dlvd lb. .0675- —
l.c.l., works lb. .072 - .0725
tanks, dlvd lb. .04 - —
Zone 2, 12-15%, methanol, dms., c.l., dlvd lb. .071 - —
tanks, dlvd lb. .043 - —
Methanol-free (uninhibited), Zone 1, tanks, dlvd lb. .0375- —
Zone 2, tanks, dlvd lb. .04 - —
Fleaseed (see Psyllium seed).
Fringetree bark, bls lb. .60 - .61
Fuller's earth, bgs., c.l., Ill. mines. ton.19.00 - —
powd., insecticide grade, dried, bgs., c.l., Ga. or Fla. mines ton.17.50 - —
calcined, bgs., c.l., same basis ton.20.00 -21.75
oil-bleaching, grade, 100-mesh, bgs., c.l., same basis ton.16.50 -17.00
200-mesh, bgs., c.l., same basis ton.17.50 -18.00
spent, bgs., c.l., shipt. point ton. 4.50 - 5.00
Furfural, dms., c.l., works lb. .13 - —
l.c.l., works lb. .14 - —
tanks, dlvd. E lb. .12 - —
dlvd. W lb. .13 - —
Fusel oil, refd., dms., c.l., dlvd lb. .22 - —
l.c.l., dlvd. lb. .23 - —
tanks, dlvd. lb. .20 - —
Fustic extract, cryst., No. 1, bbls., l.c.l lb. .47½- —
No. 2, bbls., l.c.l lb. .45½- —
No. 3, bbls l.c.l lb. .43½- —
liq., No. 1, bbls., l.c.l. lb. .22½- —
No. 2, bbls. l.c.l lb. .21½- —
No. 3, bbls. l.c.l lb. .19 - —
solid, No. 1, bxs., l.c.l. lb. .45 - —

G

G salt, bbls., frt. alld, 100% basis lb. .73 - —
Gammapicoline (see g-Picoline).
Gelatin, edible, pure (pork skin), 75 Bloom test, bbl., c.l. lb. .53 - —
150 Bloom test, bbl., c.l. lb. .64 - —
200 Bloom test, bbl., c.l. lb. .71 - —
225 Bloom test, bbl., c.l. lb. .74 - —
275 Bloom test, bbl., c.l. lb. .81 - —
Gelsemium root, bls lb. .23 - .24
Gentian root, bls lb. .17 - .20
grd., bbls., bxs lb. .22 - .23
powd. bbls., bxs lb. .23 - .24
Geraniol, extra, cns., dms lb. 3.90 - —
standard, cns., dms lb. 3.65 - —
Geranyl acetate, cns lb. 3.90 - —
Ginger oleoresin, NF, from African root, bots lb. 4.00 - 7.75
from Jamaican root, bots lb. 6.00 -10.25
Root, African, bls. lb. .37 - —
Cochin, bgs. lb. .36 - —
Jamaica, No. 1, bgs lb. No prices.
No. 2, bgs lb. .48 - —
No. 3, bgs. lb. .47 - —
Nigerian, split, bgs. lb. .35 - .36
Glauber's salt, anhyd. (see Sodium sulfate).
Glue, bone, extracted, 86 jellygrams, bgs., c.l., dlvd lb. .15 - —
104 jellygrams, same basis lb. .17 - —
131 jellygrams, same basis lb. .18 - —
164 jellygrams, same basis lb. .20½- —
191 jellygrams, same basis lb. .21 - —
222 jellygrams, same basis lb. .22 - —
packers' 40 jellygrams, bgs., c.l., dlvd lb. .14 - —
65 jellygrams, same basis lb. .14½- —
86 jellygrams, same basis lb. .15 - —
115 jellygrams, same basis lb. .15½- —
135 jellygrams, same basis lb. .18½- —
164 jellygrams, same basis lb. .19½- —
renderers' 115 jellygrams, bgs., c.l., dlvd lb. .15 - —
Bone glue, l.c.l., prices 1c. higher.



Formula for a Long Life:
Use Rohm & Haas Acrylic Monomers

Here is additional evidence of how well paints, other protective coatings, and plastics based wholly or partially upon Rohm & Haas acrylic monomers resist the effects of aging.

When the samples above were first placed on test racks in Arizona, each sample was new: unmarred and transparent. Fourteen months later, all but the acrylic sample were badly discolored or severely crazed.

This ability of acrylic polymers to age gracefully is carried over into copolymers, too. You can expect copolymers of acrylics with vinyl chloride, vinyl acetate, vinylidene chloride, butadiene, or styrene to have better aging characteristics than corresponding non-acrylic polymers.

For additional information on Rohm & Haas acrylic monomers, write to Department SP. There's a detailed booklet waiting for you.

ROHM & HAAS ACRYLIC MONOMERS:

Methyl acrylate	Butyl methacrylate
Ethyl acrylate	Hexyl methacrylate
Butyl acrylate	Decyl-octyl methacrylate
2-Ethylhexyl acrylate	Lauryl methacrylate
Methyl methacrylate	Stearyl methacrylate
Ethyl methacrylate	Glacial methacrylic acid

CHEMICALS FOR INDUSTRY

ROHM & HAAS COMPANY

WASHINGTON SQUARE, PHILADELPHIA 5, PA.

Representatives in principal foreign countries

Glue, hide, 70-94 jellygrams, bgs., c.l., dlvd. lb. .13 - —
95-121, bgs., c.l., dlvd. lb. .16 - —
122-149, bgs., c.l., dlvd. lb. .18½ - —
150-177, bgs., c.l., dlvd. lb. .21 - —
178-206, bgs., c.l., dlvd. lb. .23½ - —
178-206, bgs., c.l., dlvd. lb. .23½ - —
207-236, bgs., c.l., dlvd. lb. .26 - —
237-266, bgs., c.l., dlvd. lb. .28 - —
267-298, bgs., c.l., dlvd. lb. .30 - —
299-330, bgs., c.l., dlvd. lb. .32 - —
331-362, bgs., c.l., dlvd. lb. .34 - —
363-394, bgs., c.l., dlvd. lb. .36 - —
395-427, bgs., c.l., dlvd. lb. .38 - —
428-460, bgs., c.l., dlvd. lb. .39 - —
461-494, bgs., c.l., dlvd. lb. .40 - —
495-529, bgs., c.l., dlvd. lb. .41 - —
Hide glue t.c.l. prices 1c. higher.

Glycerine, nat., crude, saponification, 88%, to refineries, tanks, lb. .22 Nom.
soaplye, 80% tanks lb. .20 Nom.
refd., BP, 98%, dms., c.l., dlvd. lb. .30½ - —
t.c.l., dlvd lb. .31 - —
tanks, dlvd lb. .30 - —
dynamite, dms., c.l., dlvd lb. .30½ - —
t.c.l., dlvd lb. .31 - —
tanks, dlvd lb. .30 - —
high gravity, dms., c.l., dlvd. lb. .30½ - —
t.c.l., dlvd lb. .31 - —
tanks, dlvd lb. .30 - —
USP, CP, 95% dms., c.l., dlvd. lb. .29½ - —
t.c.l., dlvd lb. .30 - —
tanks, dlvd lb. .29 - —
yellow, distilled, dms., c.l., dlvd lb. .30 - —
t.c.l., dlvd lb. .30½ - —
syn., dms., c.l., dlvd lb. .30½ - —
t.c.l., dlvd lb. .31 - —
tanks, dlvd lb. .30 - —
Glycine (see Acid aminoacetic).
Glycerol (see Glycerine).
Glyoxal, 30%, dms., c.l., works lb. .18½ - —
t.c.l., works lb. .19 - —
tanks, works lb. .18 - —
Golden seal root, NF, tested, bls. lb. 2.25 - 2.50
powd., bxs lb. 2.75 - 3.25
Graphite, amorph., powd., bgs., fib. dms., ex whse lb. .06 - .09½
crystalline, 88-90%, powd., bgs., fib. dms., ex whse lb. .19 - .21½
90-92%, powd., bgs., fib. dms., ex whse lb. .21 - .24½
95-97%, powd., ogs., fib. dms., ex whse lb. .29 - .31½
flake, No. 1, 90-95%, bgs., fib. dms., ex whse lb. .29 - .31
No. 2 90-95%, bgs., fib. dms., ex whse lb. .29 - .31
Grease, white, choice, all hog, tanks, dlvd. lb. .08½ - —
not all hog, tanks, dlvd. lb. .08¼ - —
yellow, tanks, dlvd lb. .07 - .07¼
Green, brilliant, thioflavin, toner, molybdated, PMA, kgs., works lb. 5.10 - —
tungstated, PTMA, kgs., works. lb. 6.20 - —
Chrome, CP, dark, light, medium, blue content 1 to 15%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss., including St. Paul, Minn., Davenport, Rock Island, St. Louis lb. .38 - —
16-30%, bbls., same basis lb. .39 - —
31-45%, bbls., same basis. lb. .46 - —
45-49%, bbls., same basis lb. .43 - —
50%, bbls. same basis lb. .48 - —
reduced color, 25%, bbls., same basis lb. .19 - —
Chrome green prices are ½c. higher, dlvd., at the following points, except as noted:—Ala., Fla., Ga., La. (Shreveport 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Chromium oxide, hydrated, bbls., dms., c.l., frt. alld. lb. 1.00 - 1.10
pure, bgs., c.l., frt. alld. lb. .39¾ - —
t.c.l., same basis lb. .40¼ - —
Dyes (see Dyes, coaltar).
Malachite, straight, PTMA, bbls., works lb. 4.60 - —
Paris (see Paris green).
Phthalocyanine toner, bbls., works. lb. 3.95 - —
resinated, bbls lb. 3.50 - —
water dispersable, bbls. lb. 1.71 - —
Pigment B, kegs lb. 1.35 - —
paste, kegs lb. .38 - —
Grindelia robusta herb, bls. lb. .38 - .40
Guaiacol, NF, cryst., dms., tins lb 2.10 - 2.15
liq., cbys., dms lb. 2.30 - 2.40
Carbonate, NF VII, dms lb 3.40 - 3.45
Gum, aloe (see Aloe)
Arabic amber, sorts, bgs lb. .22 - .23
powd., USP, bbls lb. .27 - .28
Asafetida (see A).
Asphaltum (see A).
Benzoin Sumatra, cs lb. .38 - .42
Camphor (see C)
Cellulose, high vis., bgs., 23,000-lb. lots or more, works, frt. alld. lb. .55 - —
smaller lots, same basis lb. .57 - —
Copal, Congo, No. 1, bgs lb. .23 - —
No. 2, bgs lb. .18½ - .20
No. 3, bgs lb. .16½ - .18
Manila C, bgs lb. .42 - .44
CBB, bgs lb. .37 Nom.
DBB, bgs lb. .33 - .35
DK, bgs lb. No Stocks
dust, bgs lb. .14 - .16
MA, soft, bgs lb. .23 - .25
WS, bgs lb. .34 - .36
Philippine, pale, chips, bgs lb. .24 - .26
nubs, bgs lb. .34 - .36
seeds, bgs lb. .20 - .22
sorts, bgs lb. .22 - —
Pontianak, chips, bgs lb. .28 - —
nubs, bgs lb. .39 - .40
Dammar, Batavia, A/E, cs. lb. .27 - .29
dust, bgs lb. .16½ - .17½
E, bgs lb. .20 - .22
East India, batu, bold, bgs. lb. .14 - .15½
nubs and chips, bgs. lb. .08 - .09
black, bold, bgs lb. .14 - .16
unscraped, bgs lb. .11 - .13
nubs and chips, bgs. lb. .11 - .13
pale chips, bgs lb. .13½ - .14½
nubs, bgs lb. .18 - .20
Siam, cs. lb. .37 - —
Singapore, No. 1, bgs lb. .43 - .45
No. 2, bbls lb. .27 - .29
No. 3, bbls lb. No stocks.
dust, bgs lb. .16½ - .17
seeds, bgs lb. .20 - .22
Ester, gum-rosin type, dms., c.l., dlvd. Ill., Ind., Ky., Mich., Mid-Atl. States, N. E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va lb. .14½ - .16
wood-rosin type, dms., c.l., same basis lb. .15 - .16

Gum, guar, food grade, bgs., l.c.l. lb. .40 - .50
tech. grade, bgs., c.l. lb. .32 - —
Karaya, No. 1, NF, powd., bbls. lb. .55 - —
No. 2, powd., bbls. lb. .45 - —
No. 3, powd., bbls. lb. .40 - —
Locust bean, powd., bgs. lb. .28 - .30
Myrrh, cs. lb. .38 - .40
Opium (see O)
Olibanum siftings, cs lb. .15 - .20
tears, cs. lb. 22 - 30
Rosin (see Naval Stores, Protective Coatings Market).
Stercutia (see Gum Karaya).
Tragacanth, No. 1, ribbons, cs lb. 3.00 - 3.50
No. 2, cs lb. 2.55 - 2.60
No. 3, cs lb. 1.75 - 1.80
powdered, USP bbls lb. 1.25 - 1.35
Gypsum, plaster of parts, 100-lb. paper, bgs, trucks, dlvd. N Y C ton 20.30 - —
terra alba, dom., paper bgs., same basis ton 19.00 - —
works, N. Y. C. ton 16.00 - —
imp. English, 100-lb. paper bags, ex dock, N. Y. C. ton 55.00 - —
ex warehouse ton 60.00 - 62.00

H

Hawthorn berries, bgs. lb. .28 - .32
Heliotropin, cryst., cns lb. 4.10 - 4.50
Hellebore root, dom., green, bls lb. .70 - .75
Helonias root, bls lb. 1.75 - 2.00
Hematine extract, cryst., No. 1, bbls., t.c.l. lb. .47 - —
No. 2, bbls., t.c.l. lb. .43 - —
No. 3, bbls., t.c.l. lb. .41 - —
No. 4, bbls., t.c.l. lb. .39 - —
No. 5, bbls., t.c.l. lb. .37 - —
paste, No. 1 bbls., t.c.l. lb. .20½ - —
Henbane leaves, bls lb. .35 - .40
Heptane, indust., tanks, Bayonne, N. J gal. .19 - —
Baytown, Tex gal. .14¾ - —
Borger, Tex gal. .14¾ - —
Hesperidin methylphalcone, bots., works lb 50.00 - —
Hexachlorophene, dms lb 2.60 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bgs., 20,000-lb. lots or more, Perth Amboy or N.Y.C. lb. .222 - —
1,000-19,999-lb. lots, same basis lb. .232 - —
smaller lots, same basis lb. .242 - —
fib. dms., 1,000-lb. lots or more, same basis lb. .239 - —
smaller lots, same basis lb. .249 - —
USP, dms., 500-lb. lots or more, same basis lb. .40½ - —
smaller lots, same basis lb. .41½ - —
Hexane, indust., tanks, Bayonne, N. J gal. .19 - —
Baytown, Tex gal. .15½ - —
Borger, Tex gal. .15½ - —
1-Hexanol, dms., c.l., works lb. .34½ - —
t.c.l., works lb. .35 - —
tanks, works lb .33 - —
Hexyl cinnamic aldehyde, dms lb. 4.00 - 7.50
Salicylate, dms lb. 1.75 - —
Hexylene glycol, dms., c.l., dlvd lb. .16 - —
t.c.l., dlvd lb. .17 - —
tanks, dlvd lb. .14 - —
n-Hexyl methacrylate, dms., less than truckload, works lb. .71 - —
Hexylresorcinol, USP, dms., 50-lb. lots or more, dlvd lb 14.00 - —
smaller lots, dlvd lb 14.50 - —
Histamine diphosphate, USP, bots. kilo 400.00 - —

Glue, Hide—Hyoscine Salts

l-Histidine hydrochloride, NF, fib. dms., 50-kilo lots, works. kilo 80.00 85.00
1-5 kilo lots, works kilo 90.00 95.00
Homatropine hydrobromide, USP pots oz. 8.50 - —
Methylbromide, USP, bots oz. 5.65 - —
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago unit-ton. 6.25 - —
Horehound herb, bls lb. .16 - .19
Hydrastine bots oz. 29.50 31.00
Hydrochloride NF bots oz. 29.50 31.00
Hydrastis (see Goldenseal).
Hydrate, 100%, ret. dms., Lake Charles, La lb. 1.60 - 1.90
Hydrazine free base, ret. dms., Lake Charles, La lb. 3.00 3.30
85% ret. dms. same basis lb 1.35 1.55
Hydrocortisone acetate, bulk, bots., dms gram. 6.00 - —
Alcohol, bulk, bots., dms gram. 6.00 - —
Hydrofuramide, dms., fib. ctns., works lb. .30 - .40
Hydrogen chloride, anhyd., 50-lb. cyls., c.l., works lb. .45 - —
t.c.l., works lb. .55 - .60
Fluoride anhyd., cyls., dlvd. E lb. .30½ - .32½
dlvd. W lb. .39 - —
tanks, works lb. .21 - —
Peroxide, USP, bbls., dlvd lb. .03¾ - .03
35%, dms., c.l., dlvd lb. .202 - —
t.c.l., dlvd lb. .211 - —
tanks, dlvd lb. .1800 - —
Hydroquinone, photo grade, bbls., dms lb. .98 - 1.00
tech., dms., c.l., dlvd lb. 77½ - —
t.c.l. same basis lb. 79½ - —
Hydroxycitronelial, cns lb. 7.65 - 7.90
Hyoscine salts (see Scopolamine).

®BECCO H_2O_2

BECCO experts can furnish you proved techniques and guidance on New Uses of Hydrogen Peroxide

New methods involving oxidation, epoxidation, hydroxylation, ring-cleavage, quinone formation and free radical reactions demand the attention of manufacturers in many fields.

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Here are Becco H_2O_2 specifications: All concentrations are clear, colorless liquids, miscible with water in all proportions, and show no loss of active oxygen under ordinary conditions. Details for individual concentrations follow:

CONCENTRATION	H_2O_2 WT. % MIN.	ACTIVE O WT. % MIN.	SP. GR.	RESIDUE
27.5	27.5	12.9	1.10	
35	35.0	16.5	1.13	
Form. D	35.0	16.5	1.13	.005%
Form. F	35.0	16.5	1.20	
50	50.0	23.5	1.39	under .005%
90	90.0	42.3		

We shall send on request interesting bulletins on epoxidation, hydroxylation, in situ epoxidation techniques, and other modern applications of peroxygen chemicals to current industrial applications. *Write for Becco's complete list of bulletins on the use of Peroxygen chemicals.*

BECCO CHEMICAL DIVISION
FOOD MACHINERY AND CHEMICAL CORPORATION
STATION B, BUFFALO 7, N.Y.
BUFFALO • BOSTON • CHARLOTTE • CHICAGO
NEW YORK • PHILADELPHIA • VANCOUVER, WASH.

Hyoscyamine—Lithopone

Hyoscyamine, bots ..... oz. 15.75 - 16.00
Hydrobromide, bots. ..... oz. 11.00 - 12.00
Sulfate, bots ..... oz. 10.50 - 11.50
Hypernic extract, cryst., No. 2, bbls., l.c.l. lb. .52 - —
liq., No. 1, bbls., l.c.l. ..... lb. .35 - —
No. 2, bbls., l.c.l. ..... lb. .27 - —

I

Ichthammol, NF, dms ..... lb. .60 - .75
Indian red (see Red, Indian).
Indigo (see Dyes, coaltar, 1171 Indigo synthetic).
Indole, CP, bots ..... lb 17.00 - 21.00
Inositol, bots., dlvd ..... lb 5.00 - —
cms., dlvd. ..... lb 4.50 - 4.75
Insect flowers (see Pyrethrum).
Iodine, crude, kgs ..... lb. 1.45 - —
resub, USP, dms., jars ..... lb. 2.30 - 2.32
Iodochlorohydroxyquinolin, USP, dms lb. 5.90 - —
Iodoform, NF, dms., kgs ..... lb 4.90 - 5.00
a-Ionone, cns ..... lb. 5.10 - 5.85
b-Ionone, cs. ..... lb. 6.00 - 7.70
Methyl (see under M).
Ipecac root, bgs ..... lb. 8.50 - 9.00
powd., bbls., bxs ..... lb. 10.00 - 10.25
Irish moss, bleached, prime, bls lb. .30 - .35
Iron Compounds (see Ferric or Ferrous).
Isoborneol, cns ..... lb. 1.25 - 1.70
Isobornyl acetate, cns ..... lb. .62 - .95
Formate, dms ..... lb. .80 - —
Propionate, dms ..... lb. 1.15 - 1.45
Isobutyl acetate, perfume grade, cns. lb. .75 - 1.00
solvent grade, dms., c.l., dlvd. E. of Rockies lb. .13¼ - —
l.c.l., same basis ..... lb. .14¼ - —
tanks, same basis ..... lb. .11¼ - —
Isobutyraldehyde, CP, dms., c.l., dlvd. lb. .27½ - —
l.c.l., dlvd ..... lb. .28½ - —
tech., dms., c.l., dlvd ..... lb. .21½ - —
l.c.l., dlvd ..... lb. .22½ - —
tanks, dlvd ..... lb. .19½ - —
Isoeugenol, cns. ..... lb. 4.40 - 4.75
Isoniazid, powd., bulk, 25-kilo lots or more kilo. 23.00 - 25.50
smaller lots ..... kilo. 24.00 - 26.00
Isopentane, coml. grade, tanks, f.o.b. Tex. refy gal. .15½ - —
Isonicotinic acid hydrazide (see Isoniazid).
Isophorone, dms., c.l., works ... lb. .24¼ - —
l.c.l., works ..... lb. .24¾ - —
tanks, works ..... lb .22½ - —
Isopropanol (see Alcohol, Isopropyl).
Isopropyl acetate, dms., c.l., dlvd, lb. .12 - —
l.c.l., same basis ..... lb. .13 - —
tanks, same basis ..... lb. .10 - —
Alcohol (see Alcohol, Isopropyl).
Benzene (see Cumene).
Ether, dms., c.l., dlvd ..... lb. .07 - —
l.c.l., dlvd ..... lb. .08 - —
tanks, dlvd ..... lb .05 - —
Isopropyl-N-(3-chlorophenyl) carbamate, (CIPC), 70% in xylol, dms., c.l., t.l., works lb. .70 - —
l.c.l., works ..... lb. .714 - .814
Isopropyl-N-phenyl carbamate, 450-lb. fib. dms., c.l., t.l., works, lb. .75 - —
l.c.l., works ..... lb. .80 - .90
Isopropylamine (see Mono, Di, or Tri-).
Isoquinoline, dms., works ..... lb. .65 - 1.25

J

Jalap root, NF, bls ..... lb. .45 - .55
powd., bbls., bxs ..... lb. .55 - .65
Juniper berries, bgs ..... lb. .18 - .20
Tar, NF, dms ..... lb. .42 - .60

K

Kaolin (see also Clay China).
NF, powd., fib. dms. ..... lb. .10 - .12
colloidal, fib., dms. ..... lb. .15½ - .17½
Kola nuts, bgs ..... lb. .15 - —

L

Lactose, crude, bgs., c.l., works lb. .15 - .15½
edible, fib. dms., 30,000-lb. lots, works lb. .22 - —
2,000-lb. lots, works ..... lb. .22¾ - —
200-1,800-lb. lots, works .... lb. .23¼ - —
Edible lactose in bgs. lc. lower.
fermentation grade, bgs., c.l., works lb. .08½ - —
USP, fib. dms., 30,000-lb. lots, works lb. .24 - —
2,000-lb. lots, works ..... lb. .24¾ - —
200-1,800-lb. lots, works ... lb. .25¼ - —
USP lactose in bgs. 1c. lower.
Lady's slipper root, bls ..... lb. 1.70 - 1.75
Lanolin, cosmetic, dms., works lb. .28 - .30
USP, anhyd., dms., works ..... lb. .26 - .28
hydrous, dms., works ..... lb. .25 - .27
Lard, cash, dms., Chicago ..... lb. .1075 Nom.
Larkspur seed, bgs ..... lb. .20 - .23
Laurel leaves, Greek, bls. ..... lb. .12 - —
Portuguese, bls. ..... lb. .12 - —
Turkish, bls. ..... lb. .26 - —
n-Lauryl methacrylate, dms., c.l. or t.l., works lb. .65½ - —
Lavender flowers, medium, bls. lb. .55 - .60
ord., bls ..... lb. .16 - .20
select., bls ..... lb. .90 - —
Lead acetate, white, cryst., bbls lb. .22 - —
gran., bbls ..... lb. .23 - —
powd., bbls ..... lb. .23 - —
NF, cryst., gran., powd ..... lb. .31 - .32
Arsenate, acid powder, dealers, 3-lb. bgs. or larger, c.l., frt. alld. on 96 lbs. or more lb. .27½ - —
t.c.l., frt. alld ..... lb. .28½ - —
1-lb. bgs., c.l. ..... lb. .41½ - —
t.c.l. ..... lb. .42½ - —
Blue, basic, sulfate, bbls., c.l., shipt. point, frt. alld lb. .15¾ - —
t.c.l., same basis .. lb. .16¾ - —
Carbonate (see Lead, white, basic carbonate).
Chloride, dms. ..... lb. 45 - —
Iodide, NF, V jars ..... lb. 3.82 - —
Linoleate, fused, 26%% Pb, dms. lb. .33 - —
Metal, pigs, prime, N. Y. ..... lb. .15 - —
St. Louis ..... lb. .1480 - —
Metallic paste, dms., 20,000-40,000-lb. lots, works lb. .33¾ - —
10,000-20,000-lb. lots, same basis lb. .34¾ - —
200-2,000-lb. lots, same basis, lb. .35¾ - —

Prices ex wnse. Jersey City, N. J., 4½c. per lb. higher.

Monosilicate, bgs., c.l., works, frt. equald lb. .1580 - —
t.c.l. same basis ..... lb. .1630 - —
Naphthenate, liq., 16% Pb, dms., dlvd lb. .17 - —
24% Pb., dms., dlvd ..... lb. .21 - —
solid, 37% Pb., dms., dlvd .... lb. .27½ - —
Nitrate, bbls. ..... lb. .22¼ - —
Orthosilicate-silica gel, 50-60% PbO, dms., works lb. .29¾ - .34¼
Peroxide, tech., powd., bbls. .. lb. .38¾ - .40¼
Phthalate, dibasic, dms., works lb. .41 - —
Red, 95%, Pb_3O_4, or less, bbls., c.l., works, frt. alld lb. .17½ - —
t.c.l., same basis .... lb. .18 - —
97% Pb_3O_4, bbls., c.l., same basis lb. .17¾ - —
t.c.l., same basis .... lb. .18¼ - —
98% Pb_3O_4, bbls., c.l., same basis, lb. .18 - —
t.c.l., same basis .... lb. .18½ - —
Resinate, precip., 23% Pb, dms., dlvd lb. .32½ - —
Salicylate, normal, dms., works lb. .46 - —
Silicate (see Lead, white, basic, silicate).
Sulfate (see Lead, blue, basic sulfate, Lead, white, basic sulfate).
Tallate, liquid, 16% Pb., dms. lb. .15 - —
24% Pb., dms ..... lb. .18½ - —
solid, 30% ..... lb. .23¼ - —
White, basic carbonate, bgs., c.l., shipt. point, frt. alld lb. .17½ - —
t.c.l., same basis .... lb. .18½ - —
silicate, bgs., c.l., shipt. point, frt. alld lb. .16 - .19¼
t.c.l., same basis .... lb. .17 - .20¼
sulfate, bgs., c.l., shipt. point, frt. alld lb. .15¾ - —
t.c.l., same basis .... lb. .16¾ - —
Lecithin, edible, tech., bleached, non-ret. dms., c.l., works lb. .15 - .17
t.c.l., same basis .... lb. .15½ - .17½
unbleached, non-ret., dms., c.l., same basis lb. .13 - .15
t.c.l., same basis ..... lb. 14½ - 16¼
dl-Leucine, dms., works ..... lb. 12.25 - 15.00
Licorice root, whole, bbls ..... lb. .10 - .12
gran., bbls ..... lb. .15 - .17
powd., bbls ..... lb. .12 - .15
Lignosulfonate, 70% tannin, bgs., c.l., works lb. .06½ - —
t.c.l., works lb. .06¾ - —
c.l., metropolitan, N. Y. destination, freight equalized with nearest producing point ton. 18.71 - —
Lime, chemical (quicklime), bulk, Hydrated bulk, c.l., same basis. ton. 20.21 - —
Spray, bulk, c.l., same basis .. ton. 23.21 - —
Lime salts (see Calcium).
Lime-ammonium nitrogen 20.5% N (see Ammonium nitrate with dolomite).
Limestone, grd., bgs., works ton. 3.50 - 4.00
Linalool, ex bois de rose oil, dms. lb. 6.20 - 8.00
ex lignaloe wood oil, dms ..... lb. 5.30 - 7.10
Linalyl acetate, ex bois de rose, 90-92%, dms lb. 6.15 - 7.95
96-98%, dms ..... lb. 6.75 - 7.15
ex petitgrain, bots. ..... lb. 5.95 - 6.70
Lindane, 25% formulation, dealers, dms., works lb 1.58 - —
99%, tech., dealers, dms., dlvd., lb. 3.10 - —
Linden flowers with leaves, bls lb. .30 - —
without leaves, bls ..... lb. .35 - —
Linseed meal, expeller, 32-34% bulk, Midwest, mills ton. 58.00 - 59.00
extracted, 36%, bulk, same basis. ton. 54.00-54.50
Litharge, coml., powd., bbls., c.l., works, frt. equald lb. .16½ - —
t.c.l., same basis ..... lb. .17 - —
Lithium benzoate dms lb 1.65 - 1.67
Bromide, NF, dms., works, frt. equald lb. 2.30 - —
Carbonate, NF, dms., c.l., t.l., dlvd lb. 1.29½ - —
ton lots to t.l., dlvd ... lb. 1.30 - —
tech., dms., c.l., t.l., dlvd., frt. alld., works lb. .85 - 1.12½
t.c.l., same basis ..... lb. .90 - 1.13½
Chloride CP, anhyd., ton lots lb. 1.28½ - —
tech., cryst., dms., c.l., t.l., dlvd., tech., cryst., dms., c.l., t.l., dlvd. or works, frt. alld lb. 1.05 - 1.10½
t.c.l., same basis ..... lb. 1.10 - 1.25
Citrate, NF, dms ..... lb. 1.60 - 1.64
Fluoride, bbls., 10,000-lb. lots, dlvd lb. 2.17½ - —
ton lots, dlvd ..... lb. 2.18½ - —
less ton lots, dlvd ..... lb. 2.23½ - —
Hydride powd., dms., works lb. 14.00 - —
Hydroxide, monohydrate, dms., c.l., t.l., dlvd, or works, frt. alld lb. .90 - .90½
t.c.l., same basis ..... lb. .91½ - .96
Manganite, dms., works ..... lb. .95 - 1.15
Nitrate, tech., dms., 100-lb. lots, lb. 1.25 - —
Salicylate, dms ..... lb. 1.60 - 1.70
Silicate, dms., works ..... lb. 1.10 - 1.30
Sulfate, dms., c.l., works ..... lb. .47½ - —
ton lots, works ..... lb. .48½ - —
less-ton lots, works ..... lb. .53½ - —
Sulfate, dms., 100-lb. lots ..... lb. 1.05 - 1.45
Titanate, dms., works ..... lb. 1.15 - 1.35
Lithopone, ord., bgs., c.l., dlvd lb. .07½ - —
t.c.l., dlvd ..... lb. .08¼ - .08¼
titanated (high-strength), bgs., c.l., dlvd lb. .10 - —
t.c.l., dlvd ..... lb. .11 - —

Litnopone prices, Pacific Coast, 1c. per lb. higher.

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Michigan Chemical Corporation has twenty years' experience in the research and production of Bromine, Magnesia, Chloride, and Calcium chemicals. This background provides users with a dependable source of quality chemicals made right and priced right; our plants are large enough to provide quantity shipments for practically all purposes. Insure continuity of your operations: order from Michigan Chemical.

On requirements for special products (i.e., intermediates) consider us. We can move fast, efficiently, and price-competitively on your needs.

Aluminum Bromide Anhydrous. Technical grade, dark colored product suitable for most manufacturing uses. Highly reactive catalyst, many uses in organic synthesis especially in isomerization, bromination and halogen exchange reactions. Available as solid or lump.

Ammonium Bromide NF IX. A white powder, very pure, complies with all the requirements of the National Formulary. Commonly used as sedative in pharmaceutical preparations. Also in photography, textile finishing and as fire retardant for fabrics.

Bromine, Dry. A powerful oxidizing and brominating agent used in manufacture of dyes, pharmaceuticals. Many applications in organic synthesis. Low moisture content of 30 ppm permits use in nickel and monel equipment. Very irritating to skin, eyes.

Bromodichloromethane. A clear, heavy, volatile liquid with a chloroform-like odor. Specific gravity 1.99; boiling point 90 degrees C. Soluble or miscible with many organic liquids. Used in organic synthesis. Adds to olefins under the influence of peroxide catalysts.

Bromotrichloromethane. A clear, colorless, heavy liquid with a chloroform-like odor. Specific gravity 2.0; boiling point 104 degrees C. Miscible with many organic liquids. Useful in organic synthesis, forming adducts with olefins with peroxide catalysts.

Chlorobromomethane "CB". A specially prepared pure, non-corrosive fire extinguishing fluid. Now finding increased use in factories, warehouses, homes. Clear, colorless, 2 degrees C. boiling range; complies with current military specifications. Used as solvent and in organic synthesis.

Cyclopentyl Bromide. A clear, colorless liquid with an aromatic odor. Specially prepared for use in organic synthesis, particularly for introduction of the cyclopentyl radical. Many potential uses in manufacture of pharmaceuticals. Purified grade, 2 degrees C. boiling range.

Dibromochloromethane. A clear, colorless, heavy liquid similar to bromodichloromethane. Used in organic synthesis, forming adducts with olefins under the influence of peroxide catalysts. Specific gravity 2.38; boiling point 116 degrees C.

β - Diethylaminoethyl Chloride Hydrochloride. $(CH_3CH_2)_2NCH_2CH_2Cl \cdot HCl$ (DEC). A granular solid. Specially suited for use as an intermediate in organic chemical manufacture, including antispasmodic agents and other pharmaceuticals.

β - Dimethylaminoethyl Chloride Hydrochloride. (DMC). $(CH_3)_2NCH_2CH_2Cl \cdot HCl$. A granular solid. Specially prepared for use in manufacture of antihistaminics and other pharmaceuticals. Other potential uses in organic synthesis. Relatively non-toxic in hydrochloride form.

β - Dimethylaminoisopropyl Chloride Hydrochloride. $(CH_3)_2NCH_2CHClCH_3 \cdot HCl$. (DMIC). An organic intermediate similar in appearance and properties to DEC and DMC. Specially prepared for manufacture of analgesics and other pharmaceuticals. Other potential uses in organic synthesis.

γ - Dimethylaminopropyl Chloride Hydrochloride. $(CH_3)_2NCH_2CH_2CH_2Cl \cdot HCl$. (DMPC). A white powder of singular purity. A versatile intermediate for pharmaceutical and organic syntheses, available exclusively from Michigan Chemical.

Ethyl Bromide. A clear, colorless, volatile liquid, specially prepared for use as an intermediate in organic synthesis. Practically free from impurities; has a narrow boiling range. Used in manufacture of dyes, perfumes and pharmaceuticals.

Hydrobromic Acid. A clear, colorless or light amber colored fuming liquid. Used for manufacture of inorganic metal bromides, aliphatic bromides, pharmaceuticals, dyes and intermediates. 48% acid and other strengths.

Magnesium Carbonate, Basic, Technical. Fine, uniform white powder, 325 mesh, bulk density 5.5 pounds per cubic foot. Very reactive. Used for rubber compounding, printing inks, paints, varnishes. Anti-caking agent for table salt; conditioning or bulking material for powder formulations.

Magnesium Hydroxide. Fine, white powder, typical assay 96.3%, low in moisture, iron, alumina, silica. Technical and NF IX grades. Special bulk densities available in NF grade. Convenient material for manufacture of light magnesias, other magnesium compounds.

Magnesium Oxides. Six principal grades of Michigan magnesium oxide with wide range of desirable physical and chemical characteristics covering principal uses of MgO, including rubber compounding, rayon manufacture, ceramics, glass, refractories, insulation.

Methyl Bromide. A heavy, colorless liquid, vaporizing at 40 degrees F., non-flammable and poisonous. Highly penetrating and insecticidally effective fumigant. Also used in organic synthesis for the introduction of the methyl group, especially in preparation of certain pharmaceutical chemicals.

Methylene Bromide. A clear, colorless liquid. Miscible with methyl alcohol, ether, chloroform and other organic liquids. A purified product with a 1.8 degrees C. boiling range. Specific gravity 2.47. Used in organic synthesis, as solvent and heavy gauge liquid.

Monobromobenzene. Clear, colorless, heavy liquid. Specially prepared for use as an intermediate in preparation of organic compounds. For introduction of the phenyl radical and in Grignard-type reactions. A pure material with a 4 degrees C. boiling range, specific gravity 1.495.

Phosphorous Tribromide. Brominating agent. A liquid, boiling point 173 degrees C., which fumes in contact with moist air. Used in synthetic work to convert alcohols to bromides, and acids to acyl bromides. Specially useful in preparation of bromides from alcohols without rearrangement.

Potassium Bromate, Granular. A fine, white, granular or crystalline material 99.5% pure. Decomposes at 370 degrees C. with evolution of oxygen. Strong oxidizing agent, used as an analytical reagent. Neutralizer in permanent wave compounds.

Potassium Bromate, Powder. A fine uniform powder with same properties as Granular. Available with added magnesium carbonate conditioning agent when specified. Suitable for use as an aging additive for flour.

Potassium Bromide, U.S.P. XIV. Pure, white granular powder. Low in chloride, passes all U.S.P. requirements. Widely used in the preparation of photographic emulsions, and in lithography. One of the most important sedatives. Available in several granulations.

Sodium Bromide, U.S.P. XIV. Pure, white crystalline powder or granules. Passes all requirements of the U.S. Pharmacopoeia. High assay; low in chloride. An important nerve sedative. Used in manufacture of other bromides. Contains about 77.5% bromine.

Trimethylene Chlorobromide. Clear, colorless liquid used in manufacture of anesthetic grade cyclopropane. Greater reactivity of bromine atom makes trimethylene chlorobromide specially useful also in preparation of gamma chloro compounds. Boiling range 2 degrees C. maximum.

Zinc Bromide Solution, Optical Grade. Clear, colorless solution, about 80% $ZnBr_2$. Used in laboratories dealing with radioactive chemicals as a radiation viewing shield; the most satisfactory material. Meets all chemical and optical specifications of Argonne National Laboratory.

Also manufacturer of Pestmaster Insecticides, Pestmaster* Methyl Bromide Fumigant and Dustmaster* Road Chemicals.*

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MICHIGAN CHEMICAL CORPORATION
502 Bankson St., Saint Louis, Michigan
EASTERN SALES OFFICE: 230 Park Avenue, New York 17, New York
BASIC MANUFACTURER OF INDUSTRIAL, PHARMACEUTICAL AND AGRICULTURAL CHEMICALS

Lobelia herb, bls ..... lb. .75 - —
Lobeline sulfate, bots., works ... oz. 37.50 -39.00
Logwood extract, cryst., No. 1, bbls., l.c.l. lb. .41 - —
No. 2, bbls., l.c.l. lb. .39 - —
liq., No. 1, bbls., l.c.l. lb. .20 - —
No. 2, bbls., l.c.l. lb. .19 - —
No. 3, bbls., l.c.l. lb. .18½- —
solid, No. 1, boxes, l.c.l. lb. .35 - —
Lycopodium, cs. lb. 2.00 - 2.25
dl-Lysine hydrochloride, bots. kl. 140.00 -150.00

M

Mace, Siauw, siftings, bls ..... lb. 1.45 - 1.70
West Indian, No. 1, bls. shipment lb. 1.55 - —
Magnesia, calcined, tech., bgs., ctns., works lb. .25¼- 26
syn. rubber grade, light, bgs., c.l., works lb. .29¼- —
t.c.l., works lb. .30 - —
extra light, works lb. .29¼- .30
USP, light, ctns lb. .35 - .36
heavy, bbls lb. .45 - .52
Magnesite, chemical grade, calcined, powd., bgs., c.l., works, frt. equald ton. 82.50 - —
dead-burnt, standard grain, bulk, c.l., Chewalah, Wash ton. 38.00 - —
Magnesium bromide, jars lb. .90 - 1.00
Carbonate, tech., bgs., c.l., frt. equald lb. .10½- —
t.c.l., frt. equald lb. .12 - .13
truckloads, frt. equald lb. .11 - —
USP, bgs., c.l., frt. equald lb. .12½- —
t.l., frt. equald lb. .13 - —
l.c.l., frt. equald lb. .14 - .15

Above prices are quoted f.o.b. works, freight equalized with metropolitan New York and competitive producing points

Chloride, anhyd., 92% flake or pebble, dms., c.l., works lb. .12¾- —
t.c.l., same basis lb. .14 - .15
hydrous, 99% flake, bgs., c.l., works ton. 50.00 —
l.c.l., works ton. 55.00 -105.00
Gluconate, dms., cns lb. 1.30 - 1.37
Hydroxide, NF, medicinal, bbls., dms., kgs lb. .26½- .30
Metal, 99.8% ingots, 10,000 lb. lots or more, works lb. .32½- —
pigs, 10,000-lb. lots or more, works lb. .33¼- —
sticks, cs., works, frt. alld. on carlots lb. .49 - —
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works lb. 1.00 - 1.05
Phosphate, tribasic, NF, bbls lb. .75 - —
Silicate (see Talc).
Silicofluoride, bbls., works lb. .09 - .10
Sulfate, tech., bgs., c.l., works, 100 lbs. 2.15 - —
t.c.l., works 100 lbs. 2.90 - 3.15
USP, cryst., bgs., c.l., works 100 lbs. 2.35 - —
t.c.l., 5,000 lbs., 1 withdrawal 100 lbs. 3.10 - —
smaller lots 100 lbs. 3.35 - —
Trisilicate, USP, dms., 5,000-lb. lots lb. .38 - —
1,000-lb lots lb. .40 - —
100-lb lots lb. .45 - —

Bulky and super grades of magnesium trisilicate, 7c. per lb. higher.

Malathion, dms., c.l., works lb. .94 - —
t.c.l., works lb. .96 - .98
Maleic anhydride, dms., c.l., dlvd. E lb. .27 - —
t.c.l., dlvd E lb. .28 - —
tanks, dlvd E lb. .26 - —

Prices on maleic anhydride W. of Rockies, 1½c. higher.

Mandrake root, bls lb. .38 - —
Manganese acetate, bbls., dlvd. lb. .35 - —
Arsenate, bgs lb. .16 - —
Borate, tech., fib. dms lb. .25 - —
Carbonate, bbls., works lb. .22 - —
Chloride, anhyd., dms., works lb. .25½- —
Dioxide, African, 84-87%, 40,000 to 99,999-lb. lots, burlap paper lined, bgs., gross for net, works ton. 91.50 - —
paper bgs., works ton. 88.00 - —
dms., works ton. 94.00 - —

Prices for manganese dioxide in 10,000 to 40,000-lb. lots $3 per ton higher.

Gluconate, dms. lb. 1.79 - 1.93
Hydrate, bbls., dlvd lb. .36 - —
Hypophosphite, NF, dms lb. 3.52 - —
Linoleate, liq., 4.35% Mn., dms. lb. .32½- —
solid, precip., 8.2% Mn. bbls. lb. .37½- —
Naphthenate, liq., 6% Mn., dms., frt. alld lb. .27 - —
Resinate, fused, 3½% Mn, dms. lb. .24 - —
precip., 6½-7% Mn, dms lb. .28 - —
Sulfate, fertilizer grade, 65%, bgs., c.l., dlvd. S. E ton. 80.50 - —
t.c.l., dlvd. S. E ton. 87.50 - —
Tallate, 6% dms lb. .24 - —
Mangrove bark, E. African, 38% tannin, c.l., ex dock ton. 71.00 - —
So. American 30% tannin, c.l., tannin, c.l., ex dock ton. 71.00 - —
Mannitol, coml., fib. dms., c.l., works lb. .60 - —
single dm., works lb. .65 - —
ton-lots, works lb. .62 - —
MBT (see 2-Mercaptobenzothiazole).
MBTS (see Mercaptobenzothiazyl disulfide).
Melamine, bgs., ton lots, works lb. .33 - —
500 to 2,000-lb. lots, works lb. .33½- —
smaller lots, works lb. .38¼- —
Menadione, USP, bots. gram. .044 - .05
Menthol, nat., USP, Brazilian, cs. lb. 9.00 - —
syn., USP, racemic, cns lb. 5.45 - —
Menthyl salicylate, tins lb. 4.00 - 4.25
2-Mercaptobenzothiazole, bgs., fib. dms., ton lots, works, frt. alld lb. .40 - —
less ton lots, same basis lb. .42 - —
Mercaptobenzothiazyl disulfide, bgs., fib. dms., ton-lots, works, frt. alld lb. .50 - —
less ton lots, same basis lb. .52 - —
Mercuric chloride, NF, cryst., dms., 50-lb. lots or more lb. 4.98 - —
gran. or powd., dms., 50-lb. lots or more lb. 4.78 - —
Cyanide, NF VIII, powd., fib. dms. lb. 6.84 - —
Iodide, red, NF, fib. dms lb. 7.72 - —
Oxide, red, NF, powd., fib. dms. lb. 5.90 - 6.01
yellow, tech. (see Yellow, mercury oxide).
USP, fib. dms lb. 6.14 - —
Mercurous chloride (see Calomel).
Iodide, yellow, NF lb. 7.72 - —
Mercury, ammoniated (see White precipitate, USP).
Metal, 76 lb. per flask net flask 253.00 -257.00
Mesityl oxide, dms., c.l., dlvd. lb. .1350- —
t.c.l., dlvd. lb. .1450- —
tanks, dlvd. lb. .1150- —
Meta-aminophenol (see m-Aminophenol).
Metachloroaniline (see m-Choloraniline)
Metanitroaniline (see m-Nitroaniline)
Metanitroparatoluidine (see m-Nitro-p-toluidine).
Metaphenylenediamine (see m-Phenylenediamine)
Metatoluidine (see m-Toluidine)
Metatolylenediamine (see 2,4-tolylenediamine).
Methanol, nat., denaturing grade, tanks, frt. alld gal. .70 - —

Prices on natural methanol W. of Miss., 3c. higher.

syn., Zone 1, dms., c.l., dlvd., or truckload min., frt. alld. gal. .45 - —
t.c.l., same basis gal. .51 - —
tankwagon, 2,000-4,000-gal. lots, dlvd. Metropolitan areas gal. .33 - —
tanks, 4,000 gal., man., frt. alld. or dlvd gal. .30 - —
4,000 gal., min., works, Carteret, Camden, N. J gal. .27½- —
Zone 2, dms., c.l., or truckload min., frt. alld. or dlvd gal. .48 - —
t.c.l., same basis gal. .54 - —
tankwagon, 2,000-4,000-gal. lots, min., dlvd. Metropolitan areas gal. .36 - —
tanks, 4,000 gal. man., frt. alld. or dlvd gal. .33 - —

Synthetic methanol zones are:—Zone 1 is all continental U. S. E. of eastern boundaries of Ariz., Idaho and Utah. Zone 2 is remainder of U. S. west of above state boundaries, comprising Ariz., Calif., Idaho, Nev., Ore., Utah and Wash.

Methenamine (see Hexamethylenetetramine).
dl-Methionine, fib. dms., frt. alld. 50-lb. or more lb. 3.50 - —
feed grade, 98%, fib. dms., same basis lb. 2.65 - —
Methoxychlor, 50% wettable powder, dealers, dms. cs., frt. alld lb. .61 - .64
Methyl abietate, non-ret. dms., c.l., dlvd. zone 1 lb. .20½- —
t.c.l. same basis lb. .21 - —
hydrogenated, non-ret. dms., c.l., dlvd. Zone 1 lb. .21 - —
t.c.l., same basis lb. 21½- —

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn.; St. Louis, Mo.; Miss, Ala., Ga., Fla., S. C. and Tenn.

Acetone, nat., dms., l.c.l., E. of Miss., frt. alld gal. .62½- —
syn dms., c.l., frt. alld. E gal. .57 - —
t.c.l., frt. alld. E gal. .63 - —
tanks, frt. alld. E gal. .45 - —

Synthetic methyl acetone E. territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory all states west of those four.

Acrylate, dms., c.l., t.l., dlvd. lb. .43½- —
t.l.l., dlvd. lb. .44½- —
tanks, dlvd lb. .41¾- —
Alcohol (see Methanol).
Amyl acetate, dms., c.l., dlvd. E lb. .15 - —
t.c.l., dlvd. E lb. .16 - —
tanks, dlvd. E lb. .13 - —
Ketone, dms., works lb. 1.05 - —
Anthranilate, cns lb. 2.50 - 2.65
Benzoate, cns., dms lb. .53 - .65
Bromide, jobbers, cyls., various sizes, frt. alld. E lb. .47 - .61
Cellulose, special vis., (1,500-4,000 cps.) 50-lb. bgs., c.l., works. lb. .78 - —
2,000-lb. lots and more, same basis lb. .65 - —

Lobelia Herb—Methyl Isobutyl Ketone

Methyl, cellulose, smaller lots, frt. alld. on 100 lbs lb. .89 - 1.00
standard vis., 15,400 cps.), 50-lb., bgs., c.l., frt. alld lb. .66 - —
2,000-lb. lots and more, same basis lb. .72 - —
smaller lots, frt. alld. on 100 lbs lb. .75 - .89
Chloride, indust., cyls., frt. equald. lb. .21 - —
tanks, multi-unit, same basis lb. .15 - —
single unit, same basis lb. .11½- —
refrigerator mfrs., cyls., dlvd. lb. .45 - —
other consumers or service men, cyls., dlvd lb. .62 - —
Cinnamate, cns. lb. 1.43 - 1.80
Cyclohexanol, dms., c.l., works. lb. .35½- —
t.c.l., works lb. .36 - —
tanks, works lb. .34 - —
Ethyl ketone, dms., c.l., dlvd. lb. .13 - —
t.c.l., dlvd lb. .14 - —
tanks, dlvd lb. .11 - —
Formate, refd., dms. lb. .35 - .40
tech. non-ret. dms. any quantity, works lb. .10 - —
Heptin carbonate, bots lb. 33.00 -42.00
p Hydroxybenzoate 6lb. dms lb 1.90 2.00
Ionone, standard, cns., dms lb. 5.10 - 5.85
Isobutyl carbinol, dms., c.l., dlvd. lb. .15 - —
t.c.l., dlvd lb. .16 - —
tanks, dlvd lb. .13 - —
Ketone, dms., c.l., dlvd lb. .15 - —
t.c.l., dlvd. lb. .16 - —
tanks, dlvd. lb. .13 - —

☒ Check list for LITHIUM Researchers—No. 2

Lithium has enabled industry after industry to achieve over-all savings through shortcuts, reduction of waste, improvement of end-product, and simplification of operating procedures. Check your field of interest in Lithium below. If you are interested in a specific application relative to Lithium not indicated in the checklist, note the fact in the form furnished, attach it to your letterhead and send it to us. Our research laboratory will look into the matter for you.

LITHIUM COMPOUNDS

LITHIUM CARBONATE
Uses:
- ☐ Porcelain enamels
- ☐ Pottery glazes
- ☐ Special glasses
- ☐ Pharmaceutical chemicals
- ☐ Lithium salts
- ☐ Heat treating salts

LITHIUM HYDROXIDE
Uses:
- ☐ Storage batteries
- ☐ Gas absorption
- ☐ Pharmaceutical chemicals
- ☐ Multi-purpose greases
- ☐ Lubricating oils
- ☐ Lithium salts

LITHIUM CHLORIDE
Uses:
- ☐ Gas absorption
- ☐ Air conditioning
- ☐ Welding rods
- ☐ Brazing fluxes
- ☐ Lithium metal
- ☐ Heat treating salts
- ☐ Deicer fluid

LITHIUM COBALTITE
Uses:
- ☐ Porcelain enamels (ground coats and colored cover coats)

LITHIUM BROMIDE
Uses:
- ☐ Air Conditioning
- ☐ Pharmaceuticals
- ☐ Gas absorption

LITHIUM NITRATE
Uses:
- ☐ Refrigeration
- ☐ Heat treating salts

LITHIUM MANGANITE
Uses:
- ☐ Porcelain enamels (ground coats for kitchenware, refrigerators, stoves, etc., cover coats for colored ware)
- ☐ Semi-conductors

LITHIUM SILICATE
Uses:
- ☐ Titanium porcelain enamels
- ☐ Glazes for sanitary ware
- ☐ Pottery glazes

LITHIUM TITANATE
Uses:
- ☐ Titanium porcelain enamels
- ☐ Ceramic glazes
- ☐ Electric porcelains

LITHIUM ZIRCONATE
Uses:
- ☐ Porcelain enamel ground coats
- ☐ Titanium porcelain enamel cover coats
- ☐ Ceramic glazes
- ☐ Electric porcelains

LITHIUM ZIRCONIUM SILICATE
Uses:
- ☐ Ceramic glazes
- ☐ Electric porcelains

LITHIUM ALUMINATE
Uses:
- ☐ Flux in highly refractory enamels

LITHIUM (META)BORATE
Uses:
- ☐ As a flux in enamel cover coats

LITHIUM MOLYBDATE
Uses:
- ☐ As smelter or mill addition in white enamel cover

I am interested in Lithium _____ for
(Compound, Metal or Derivative)
the following application: _____

_____

_____

_____

Technical Data Sheets are available for every compound in the checklist. They will be sent as checked above.

... trends ahead in industrial applications for Lithium

LITHIUM CORPORATION OF AMERICA, INC.
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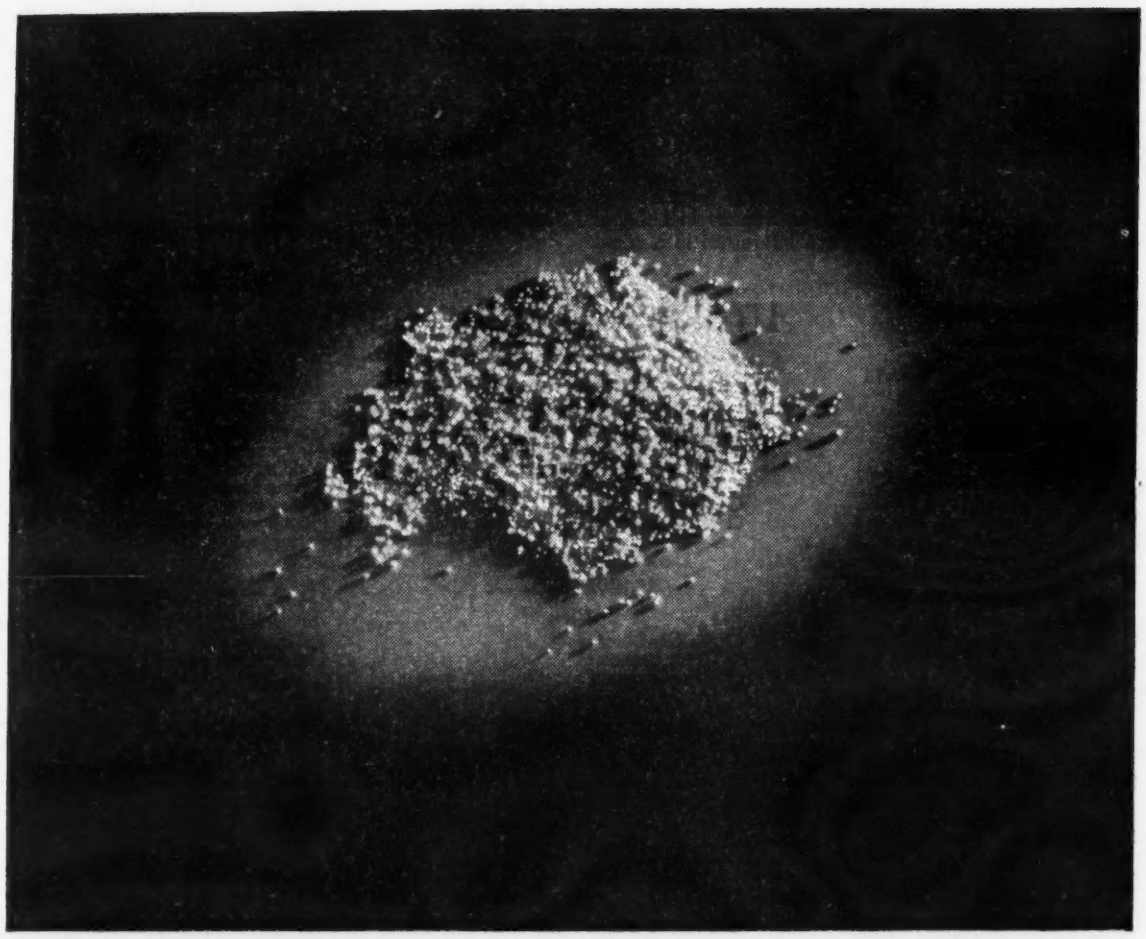
CHEMICAL PLANTS: St. Louis Park, Minnesota • Bessemer City, North Carolina • RESEARCH LABORATORY: St. Louis Park, Minnesota

Methyl Methacrylate—Nutgalls

Methyl methacrylate, dms., c.l., t.l., frt. equald with Belle, W. Va. lb. .36½- —
smaller lots, same basis lb. .37 - —
tanks, same basis lb. .35 - —
Naphthyl ketone, cryst., cns lb 3.60 4.30
Parahydroxybenzoate (see Methyl p-Hydroxybenzoate)
Roseaniline, chloride, NF, fib. dms., 5-lb. lots lb. 5.64 - —
Salicylate, USP, cns., 500-lb. lots lb. .56 - —
Testosterone, USP, 100-gram bots. gram. .63 - —
2-Methylbenzylamine, dms., l.c.l., works lb. 1.25 - —
2-Methylbenzyl dimethylamine, dms., c.l., works lb. 1.89 - —
l.c.l., works lb. 1.90 - —
2-Methyl-5-ethyl pyridine dms., c.l., works lb. 47½- —
l.c.l., works lb. .48 - —
tanks, works lb. .46 - —
Methylene blue, fib. dms., 100-lb. lots, frt. adjusted lb 3.25 3.60
smaller lots same basis lb 3.40 3.60
Chloride, tech., dms., c.l., dlvd. E lb. .13½- —
l.c.l., same basis lb. .14½- —
tanks, same basis lb. .12½- —
b-Methylnaphthalene, 32°C. m.p., dms., works lb. .90 —
Methylparaben (see Methyl p-hydroxybenzoate).
Methylpentanediol (see Hexyleneglycol)
Methylphenylpyrazolone (see 1-Phenyl-3-methylpyrazolone-5).
Methylthionine chloride (see Methylene blue)
Mica, dry-grd., paint plastic, 100 mesh, bgs., c.l., works lb. .04¼- —
roofing, 20 to 80 mesh, works lb. .03 - .04
Mica, wet-grd., biotite, bgs., c.l., works, frt. alld. E lb. .06¼- —
l.c.l., ex-whse. or frt. alld. E lb. .07 - —
paint or lacq., bgs., c.l., works, frt. alld lb. .07¾- —
l.c.l., ex-whse or frt. alld. E lb. .08½- —
rubber, bgs. c.l. works, frt. alld. E lb. .07½- —
l.c.l., ex-whse or frt. alld. E lb. .08½- —
wallpaper, bgs., c.l., works, frt. alld., E lb. .07¾- —
l.c.l. ex-whse or frt. alld. E lb. .08¼- —
white, extra, fine, bgs., c.l., works, frt. alld. E lb. .07¾- —
l.c.l. ex-whse or frt. alld. E lb. .08½- —
Mica, wet-grd. W. of Miss. R. ½c. higher. W. of Rockies, 1c. higher.
Mineral spirits (see Petroleum mineral spirits).
Molasses, blackstrap feed grade, tanks, New Orleans gal. .10¼- .11½
New York gal. .12½- —
Molybdenum (metal), powd., 80 or 200 mesh, cans., works kilo 8.80 - —
Trioxide pure, kgs., works lb 1.05 - —
tech., kgs., works, basis Mo. content lb. 1.25 - —
Monobutylamine, dms., c.l., E. of Rockies lb. .55 - —
l.c.l. same basis lb. .56 - —
tanks, same basis lb .53 - —
Monochlorobenzene, dms., c.l., frt. alld. or dlvd. E lb. .10 - —
l.c.l., same basis lb. .11 - —
tanks, same basis lb. .08½- —
Monoethanolamine, dms., c.l., dlvd. E lb. .27 - —
l.c.l., same basis lb. .28 - —
tanks, same basis lb. .25 - —
Monoethylaiphanaphthylamine (see N-Ethyl-a-naphthylamine).
Monoethylamine, 70% contained amine, dms., c.l., dlvd E lb. .33 - —
l.c.l., dlvd. E lb. .34 - —
tanks, dlvd. E lb. .31 - —
40% soln., dms., c.l., frt. equald, 100% basis lb. .37 - —
l.c.l., frt. equald, 100% basis. lb. .37½- —
tanks, frt. equald., 100% basis. lb. .31 - —
Monoethylaniline (see N-Ethylaniline).
Monoethyltoluidine (see N-Ethyl-o-toluidine).
Monoisopropanolamine, dms., c.l., dlvd. E lb. .27 - —
l.c.l. same basis lb. .28 - —
tanks, same basis lb. .25 - —
Monoisopropylamine, dms., c.l., dlvd. lb. .32 - —
l.c.l., same basis lb. .33 - —
tanks, same basis lb. .30 - —
Monomethylamine, 30-35% soln., dms., c.l., frt. equald, 100% basis. lb. .40 - —
l.c.l., frt. equald, 100% basis. lb. .40½- —
tanks, frt. equald, 100% basis. lb. .31 - —
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic).
Mono-tertiary-butylmetacresol (see 6-tert-Butyl-m-cresol).
Glutamate (see Sodium glutamate monobasic).
Phosphate (see Sodium phosphate monobasic).
Morphine, cns. oz. 12.40 -12.60
Acetate, anhyd., cns. oz. 9.95 -10.00
Hydrobromide, cns. oz. 9.90 - 9.95
Hydrochloride, NF, cns. oz. 9.90 - 9.95
Sulfate, USP, cns. oz. 9.90 -10.05
Morpholine dms., c.l., dlvd. E lb. .54¾- —
l.c.l., dlvd. E lb. .55¾- —
tanks, dlvd. E lb. .52¾- —
Musk, syn., ambrette, 100-lb. lots, fib. dms lb. 5.15 - —
25-lb. lots, cns lb. 5.20 - —
5-lb. lots, cns lb. 5.30 - —
ketone, 100-lb. lots, fib. dms lb. 5.30 - —
25-lb lots cns lb 5.35 - —
5-lb. lots, cns lb. 5.45 - —
xylol, 100-lb. lots, fib. dms lb. 1.40 - —
25-lb lots, cns lb. 1.45 - —
5-lb. lots, cns lb. 1.50 - —
Mustard seed, Danish, yellow, bgs lb. .11½- —
Dutch, yellow, bgs lb. No prices
English, yellow, bgs lb. .12½- .13
Montana, oriental, bgs. lb. No prices.
yellow, bgs lb. No prices.
Myrobalans, J-1, assorted, bgs., ex dock ton. 60.00 - —
crushed, bgs., ex dock lb. 82.00 - —
Bombay, bgs., ex dock ton. 56.00 - —
extract, Indian, solid, 55% tannin, bgs., ex dock, plus duty lb. No prices.

N

Naphtha, painters (see Petroleum naphtha V. M. & P.)
Solvent (see S).
Naphthalene, crude, dom., 74° tanks, frt. equald lb. .07 - —
78°, bgs., c.l., same basis lb. .07½- —
l.c.l., same basis lb. .07¾- —
tanks, same basis lb. .07 - —
imp., 78°, large lots lb. .06¾ Nom.
refd., dms., indust., chipped or crushed, bgs., frt. equald, lb. .12½- —
flake, bgs., same basis lb. .13½- —
tanks, same basis lb. .11¾- —
balls, flakes, wholesalers, jobbers, bbls., c.l., same basis, basis lb. .15½- —
cs., 50 lbs., c.l., same basis lb. .15¾- —
1-lb. pkgs. c.l., same lb. .18½- —
fib. dms., c.l., same basis lb. .13 - —
chipped, 100-lb. paper bgs., same basis lb. .12½- —
a-Naphthol, bbls., frt. alld lb 1.00 - —
b-Naphthol, tech., bbls., c.l., works. lb. .34½- —
l.c.l., works lb. .36½- —
Benzoate, fib. dms., works lb. 3.00 - —
custom contract, works lb. 1.65 - —
Salicylate, dms. lb 5.00 - —
Sulfate, cns lb 35.00 - —
a-Naphthylamine, bbls., frt. alld lb 50 - —
b-Naphthylamine, tech., flake, bbls., works lb. 1.60 - —
Neocinchophen, USP, dms., frt. adjusted lb 7.00 - 8.00
Neomycin, fib. dms., 100-kilo lots, basis, activity gram. .60 - —
1-kilo lots, basis, activity gram. 1.20 - —
Nerolin, cns lb. 2.45 - 2.65
Niacin (see Acid, nicotinic)
Niacinamide (see Nicotinamide).
Nickel acetate, bbls., dlvd. lb. .77 - .90½
Carbonate, bbls., dlvd. lb. .73¾- .81¾
Chloride, bbls., dlvd. lb. .38½- .46½
Formate, bbls., ton lots, frt. alld. lb. .68 - .69
Metal, electro cathodes, cs., works. lb. .64½- —
Nitrate, bbls., works lb. .37 - .38
Oxide, black, bbls. lb. .76 - —
green, bbls. lb. .76 - —
Sulfate, bgs., c.l., dlvd. lb. .30¼- —
l.c.l., dlvd. lb. .31¼- .33¼
Nicotinamide, USP, dms., frt. adjusted kilo. 12.00 -12.30
Hydrochloride, dms., frt. adjusted. kilo. 11.50 -11.80
Nicotine sulfate, 40%, dealers, 50-lb. dms., frt. alld. lb. 1.20 - —
manufacturers, 500-lb. dms., frt. alld lb. 1.03 - —
Niger seed, bgs. lb. .10½- .11
Nikethamide, cbys. lb. 5.00 - —
m-Nitroaniline, dms., frt. alld lb. 1.05 - —
o-Nitroaniline, flaked, dms. lb. .54 - .57
powd., dms lb. .60 - —
p-Nitroaniline, dms., l.c.l., frt. alld. lb. .51½- —
Nitrobenzene, dbl. dist., dms., c.l., frt. alld lb. .12 - —
l.c.l., frt. alld lb. .13 - —
tanks, frt. alld lb. .11 - —
o-Nitrobiphenyl, tech., dms., c.l., works lb. .14½- —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Nitrocellulose, ester-soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80, 125-175, secs., bbls., c.l., works lb. .34 - —
l.c.l., same basis lb. .35 - .37
18-25 cps., bbls., c.l., same basis lb. .36 - —
l.c.l., same basis lb. .37 - .39
250-400, 600-1,000 secs., bbls., c.l., same basis lb. .39 - —
l.c.l., same basis lb. .40 - .42
spirit-soluble, 30-35 cps., ¼, ½, secs., bbls., c.l., same basis lb. .41 - —
l.c.l., same basis lb. .42 - .44
5-6 cps., 40-60 secs., bbls., c.l., same basis lb. .40 - —
l.c.l., same basis lb. 41 - 43
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra but returnable.
o-Nitrochlorobenzene, dms., c.l., frt. alld. lb. .20 - —
l.c.l., same basis lb. .21 - —
tanks, same basis lb. .18 - —
p-Nitrochlorobenzene, dms. lb. .26 - .27
2-Nitro-4-chlorophenol, dms. lb. .75 - —
Nitroethane, dms., dlvd. E of Rockies lb. .25 - —
Nitrogen solution, 37%N, tanks, frt. equald., per ton of product basis ton. 46.50 - —
40.8%N, tanks, same basis ton. 51.15 - —
Nitrogenous process tankage, bulk, works unit-ton. 4.10 - 5.10
Sewage sludge, bulk, works unit-ton. 2.75 + .50
Nitromethane, dms., l.c.l., dlvd. E. of Rockies lb. .25 - —
a-Nitronaphthalene, bbls. frt. alld. lb. .41 - —
Nitropropane 1, dms., dlvd. E. of Rockies lb. .23¼- —
2, dms., dlvd. E. of Rockies lb. .25 - —
tanks, works lb. .22¾- —
o-Nitrophenol, dms., works, frt. equald lb. .94 - —
p-Nitrophenol, dms., works, frt. equald lb. .50 - —
o-Nitrotoluene, dms., c.l., frt. alld. lb. .10 - —
l.c.l., frt. alld. lb. .11 - —
tanks, frt. alld. lb. .09 - —
p-Nitrotoluene, dms., works lb. .33 - .36
m-Nitro-p-toluidine, dms lb. 1.59 - —
Nitrous ether, conc., bots 100-lb. lots lb. 1.28 - 1.38
Nonyl phenol, dms., c.l., frt. alld. lb. .26 - —
l.c.l., frt. alld. lb. .27 - —
tanks, frt. alld lb. .24 - —
Nutgalls, Aleppo, bgs. lb. .36 - .38
Chinese, bgs. lb. No prices.



between you and this page

. . . is roughly one cubic foot of NITROGEN gas. Floating free in the air this nitrogen can't add to America's agricultural or industrial wealth. But Grace Chemical Company has opened a plant in Memphis, Tennessee, that "fixes" atmospheric nitrogen in the form of two very versatile compounds—ammonia and urea. (Shown in the photo are prills—tiny beads—of urea containing the equivalent to the amount of nitrogen gas between you and this page.)

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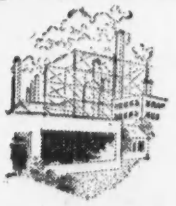

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powd., bbls., bxs.....lb. .15 - .17

O

Octane, indust., tanks, Bayonne, N. J. gal. .19 - —
Baytown, Tex.....gal. .15¾- —
Borger, Tex .....gal. .15¾- —
1-Octanol, tech., dms., c.l., dlvd .. lb. .35 - —
l.c.l., dlvd.....lb. .37 - —
tanks dlvd .....lb. .32½- —
Octyl phenol, bgs., c.l., works...lb. .23¼- —
l.c.l., works .....lb. .23¾- —
tanks, works .....lb. .22½- —
Drum prices for octyl phenol are 1c. higher.

(Essential oils prices listed below are f.o.b. New York, with differences between high and low quotations due to differences in quantity, quality or in individual suppliers' views.)

Oil, abies, siberica, cns.....lb. 3.00 - 3.50
Almond, artif., bitter (see Benzaldehyde).
nat., bitter, F.P.A., bots....lb. 3.00 - 3.75
NF, bots. .....lb. 3.25 - 3.75
sweet, USP, dms., cns. ....lb. .62 - .80
Allspice (see Oil, pimento).
Amyris, dms. .....lb. 1.40 - 1.95
Angelica root, bots. .....lb.66.00 -100.00
seed, bots .....lb.56.00 -95.00
Aniline (see A).
Anise, USP, dms .....lb. 3.25 - 4.00
Apricot, kernel, USP, dms. ....lb. .38 - .45
Avocado, cns. .....lb. 3.25 - —
Babassu, crude, tanks.....lb. .15¼- —
Bay, NF, Puerto Rican, 50-55%, cns..lb. 1.80 - 2.75
55-60%, cns. .....lb. 2.10 - 2.50
West Indian, 50-55%, cns., dms., lb. 1.83 - 2.40
Bergamot, nat., NF, Italian, cns. lb. 8.50 -11.00
Birchtar, crude, cns.....lb. 1.50 - 1.90
rectified, NF, cns.....lb. 1.75 - —
Bois de rose, Brazil, dms.....lb. 4.55 - 5.60
Mexican (see Oil, lignaloe wood).
Bone, dms., works.....lb. .63 - .70
Cajeput, native, cns.....lb. 1.75 - 2.10
redist., USP, cns.....lb. 2.25 - 3.00
Calamus, bots .....lb.12.00 -26.00
Camphor, sassafrassy, dms....lb. .40 - .60
white, dms .....lb. .21 - .50
Cananga, native, cns.....lb. 7.85 -10.25
rectified, cns. .....lb.12.00 -14.75
Caraway, NF, cns .....lb. 3.75 - 5.00
Capsicum (see Capsicum oleoresin)
Cardamom, NF, bots.....lb.32.00 -40.00
Cassia, USP (see Oil, cinnamon, USP)
Castor, blown, dms., c.l.....lb. .1950- —
l.c.l. .....lb. .2000- —
dehydrated, bodied, dms., c.l lb. .2160- —
l.c.l. .....lb. .2210- —
tanks .....lb. No prices.
unbodied, dms., c.l.....lb. .2010- —
l.c.l. .....lb. .2060- —
tanks .....lb. No prices.
hydrogenated, bgs., c.l., dlvd lb. .20½- —
l.c.l., dlvd .....lb. .24 - —
No. 3, tech., dms., c.l.....lb. .1475- —
l.c.l. .....lb. .1525- —
tanks .....lb. .1350- —
No. 1, Brazilian, tanks.....lb. .14 - —
sulfonated, 50%, dms., l.c.l. lb. .11½- .12
75%, dms., l.c.l. .....lb. .14½- .15
USP, dms., c.l. .....lb. .1700- —
l.c.l. .....lb. .1750- —
tanks .....lb. .1525- —
refd. and deodorized, dms., c.l. lb. .1850- —
l.c.l. .....lb. .1900- —
tanks .....lb. .1675- —
Cedarleaf, USP, XII, cns., dms. lb. 2.90 - 3.50
Cedarwood, cns., dms.....lb. .70 - 1.00
Celery seed, bots .....lb.12.50 -20.00
Chamomile, blue, Hungarian, bots. lb.90.00 -180.00
Chenopodium, NF, cns.....lb. 3.75 - 5.00
Chinawood (see Oil, tung).
Cinnamon bark, bots.....lb.25.00 -65.00
leaf, crude, dms.....lb. 1.30 - 2.00
USP cns. dms., (Cassia) .. lb. No stocks.
Citronella, Ceylon, cns., dms..lb. 1.05 - 1.70
Java, true, dms.....lb. 1.75 - 2.00
Java-type, cns .....lb. 1.80 - 2.50
Clove, bud, USP, cns., dms. ..lb. 2.85 - 4.00
leaf, crude, dms .....lb. 1.30 - 2.00
Coconut, crude, tanks, N. Y...lb. .11⅝- —
Pac. Coast .....lb. .10⅞- —
refd., Cochin type, tax incl, l.c.l lb. .18½- —
deodorized, tax incl., dms., c.l..lb. .20½- —
Cod, Newfoundland, dms.....lb. .11 - —
Codliver, USP, dms.....gal. 1.50 - 1.80
Copaiba, cns .....lb. 1.80 - 2.50
Coriander, USP, bots.....lb.11.75 -17.00
Corn, crude, tanks, works.....lb. .12¼- —
foots (soapstock), acid 95%, tanks, N. Y..lb. .04¾- —
refd., salad, dms.....lb. .16⅞- .17⅛
tanks .....lb. .15⅞- —
Cortus, bots.....lb. 8.00 - —
Cottonseed, crude, tanks, South East..lb. .11⅝- —
Valley .....lb. .11⅝- —
Texas .....lb. .11¼- —
foots (soapstock), acid 95%, tanks, N. Y..lb. .04¾- —
raw, 50%, tanks, N. Y.....lb. .02 Nom.
refd., salad, dms.....lb. .15¾- .15⅞
tanks .....lb. .15¼- —
Creosote (see Creosote, coaltar).
Crude (see Petroleum, crude)
Cubeb, cns. .....lb. 4.25 - 6.25
Cumin, bots., cns.....lb. 4.15 - 5.75
Cypress, bots .....lb. 5.30 - —
Degras (see D).
Dillseed, bots. .....lb. 2.80 - 4.25
Dillweed, dom., bots., dms....lb. 3.50 - 5.00
Dip (see D)
Erigeron, cns. .....lb. 5.50 - 7.50
Eucalyptus, NF, rectified, 70-80%, dms..lb. .70 - 1.05
80-90%, dms. .....lb. .85 - 1.25
Fennel, sweet, USP, cns. .....lb. 2.30 - 3.25
Fir, Canada, cns .....lb. 2.25 - 3.00
Fish, refd., alkali, dms.....lb. .1300- .1350
kettle-bodied, dms.....lb. .1530- .1580
light-pressed, dms.....lb. .1150- .1200
tanks .....lb. .1000- —
Fishliver, crude, for feeds or concentrating, 4,000 to 12,000 A units per gram, dms., 1,000,000 units. .08 - .09
10,000 to 20,000 A units per gram, dms., 1,000,000 units. .09 - .10
25,000 to 35,000 A units per gram, dms., 1,000,000 units. .09 - .10
55,000 A units per gram, dms, 1,000,000 units. .10½- .11
100,000 A units per gram., dms 1,000,000 units. .12 - .14
200,000 A units per gram., dms 1,000,000 units. .12 - .14
300,000 A units per gram., dms., 1,000,000 units . .12 - .14⅛
400,000 A units per gram, dms., 1,000,000 units.. .12 - .14⅛
500,000 A units per gram., dms 1,000,000 units. .12 - .14⅛
Prices above are based on the USP XIV method of conversion, Morton Stubbs Corrected E x 1900.
Fusel (see F).
Garlic, pure, bots .....oz. 5.75 - 9.50
Gaultheria (see Oil, wintergreen).

Oil, geranium, Algerian, cns.....lb.11.50 -14.00
Bourbon, cns. .....lb.11.75 -14.50
Turkish (see Oil palmarosa)
Ginger, dist., bots. .....lb.15.50 -20.00
Grapefruit, dms. .....lb. 2.00 - 3.25
Grease, No. 1, dms .....lb. .14¾- .16½
extra, winter, strained, dms..lb. .17¼- .19
prime, burning, dms.....lb. .18¾- .20¼
Guaiacwood, cns .....lb. 1.40 - 1.90
Hemlock, cns. .....lb. 2.10 - 2.50
Juniper berry, NF, VIII, bots. lb. 2.75 - 4.00
twice rectified, bots.....lb. 3.60 - 7.00
Tar, NF (see Juniper tar).
Wood, tech., cns. .....lb. .38 - .55
Lard (see Oil, grease).
Laurel leaf, dms., cns. .... lb. 9.75 -12.50
Lavandin, dms., ens .....lb. 2.85 - 3.55
Lavender, Flower, USP, French, 30-32% ester, cns. ....lb. 2.85 - 4.60
38-40% ester, cns .....lb. 9.50 -13.20
40-42% ester, cns .....lb.10.00 -16.50
Spike, Spanish, cns.....lb. 1.85 - 2.30
Lemon, USP, Calif., cns., dms..lb. 4.50 - 5.50
Messina, cns. .....lb. 4.85 - 9.80
terpeneless, bots .....lb.32.00 -85.00
Lemongrass, cns., dms.....lb. 1.75 - 2.50
Lignaloe wood, Mex., cns.....lb. 2.70 - 4.60
Lime, dist., Mexican, cns. .... lb. 3.00 4.75
West Indian, cs. .....lb. 3.00 - 4.75
expressed, West Indian, cns lb. 7.00 - 8.00
terpeneless, bots .....lb.29.50 -100.00
Linseed, raw, dms., c.l., N. Y. lb. .1645- .1655
dms., l.c.l. .....lb. .1675- .1975
tanks, f.o.b. Minneapolis..lb. .1350- .1355
New York .....lb. .1475- .1485
tankwagon, New York....lb. .1500- .1510
Boiled linseed oil, .006c. per lb. higher.
Mace, dist., cns., dms. .....lb. 2.75 - 3.60
Mandarin (see Oil, tangerine).

Oil, menhaden, crude, tanks, works, Atlantic Coast..lb. .07½- —
Gulf ports, f.a.s. .....lb. .08 - —
Mineral, white (see Oil, white mineral).
Mirbane (see Nitrobenzene).
Mustard seed, nat., dms. ....lb. .18 - —
syn., bots.....lb. 1.60 - 1.85
Neatsfoot, 15° cold test, dms lb. .33 - .34
20° cold test, dms.....lb. .32 - .33
30° cold test, dms.....lb. .30 - .31
Neroli, NF, French, bots.....lb.85.00 -310.00
Spanish, bots. .....lb.32.50 -85.00
Nutmeg, USP, dist., East Indian, cns., dms lb. 3.10 - 4.50
West Indian, cns., dms..lb. 3.00 - 3.60
Ocotea cymbarum, dms. .....lb. .87 - 1.50
Oiticica, liq., dms.....lb. .15¼- .15¾
tanks .....lb. .14 - .14½
Oleo, extra, dms .....lb. .15 - —
Olibanum, bots. .....lb. 5.50 - 7.65
extra fine, bots .....lb. 8.00 - 9.00
Olive, edible, spanish, dms., duty paid .gal. 2.40 - 2.45
Tunisian, same basis ....gal. 2.30 - 2.35
Orange, sweet, dist., cns ....lb. .50 .80
expressed, USP, Brazilian, cns., dms lb No stocks.
Calif., cns., dms. .....lb. .55 - 1.25
Florida, cns., dms. .....lb. .50 - 1.25
Messina, cns. .....lb. 3.85 - 5.85
West Indian, cns., dms..lb. 2.50 - 3.65
sesquiterpeneless, bots ....lb.65.00 -120.00
Origanum, Spanish, cns.....lb. 1.75 - 2.85
Palm, clarif., dms .....lb. .13 - .13½
kernel, denat., tanks.....lb. .11⅛- —
Palmarosa, cns .....lb. 8.00 -10.00
Paraffin, pale, 100-110 vis., at 100 F, tanks, East Coast refy. gal. .14 - —

Oil, patchouli, dms .....lb. 8.00 - 9.50
Peach kernel, USP (see Oil apricot kernel).
Peanut, crude, tanks, f.o.b. mills. lb. .17½- —
refd., dms. .....lb. .23 - .23¼
tanks .....lb. .20½- —
Pennyroyal, USP imported, cns lb. 2.50 - 3.50
Peppermint, nat., dms .....lb. 6.50 - 8.65
redist., USP, dms .....lb. 6.80 - 9.25
Persic, USP (see Oil, apricot kernel).
Petitgrain, South American, cns., dms..lb. 3.50 - 4.80
Pimento, berry, NF, dms ...lb. 4.20 - 8.00
leaf, cns. .....lb. 2.60 3.10
Pine, dest.-dist., dms., l.c.l., works. lb. .11¼- —
ex-whse. .....lb. .1325- —
steam dist. dms. ex whse, N Y.C lb. .163 —
Pineneedle, Siberian (see Oil, abies siberica).
Rapeseed, tankcars .....lb. .16 - —
Red (see Acid, oleic)
Rice, bran, clarif., dms., l.c.l. lb. .18 - —
tanks, dlvd. E .....lb. .14 - —
Rose, nat., Bulgarian, bots ....oz.43.50 -62.25
Rosemary, Spanish USP, cns., dms lb. .60 1.00
tech., cns., dms .....lb. 50 .70
Rue, bots. .....lb. 2.00 2.50
Safflower, dms., c.l., Atl. coast..lb. .1910- —
tanks, same basis .....lb. .1760 —
Sage, clary, bots .....lb.18.50 -25.00
Dalmatian, cns. .....lb. 4.60 6.00
Spanish, cns. .....lb 1.15 1.40
Sandalwood, NF, cns .....lb.17.50 -18.75
Sardine, crude, tanks, Pac. coast. lb. .09 Nom.

How does the champion get to be champion?

By being better! Unmatched through the years is the *California flavor* that distinguishes Exchange Brand Oil of Lemon. That's why Exchange remains the overwhelming sales leader—in fact, the *4-to-1 favorite* over all other lemon oils combined!

So why skimp on quality...insist on Exchange quality and flavor that come *only* from genuine California lemons, grown and skillfully processed by Sunkist Growers.

Sunkist Growers
PRODUCTS DEPARTMENT • ONTARIO, CALIFORNIA

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FRITZSCHE BROTHERS, INC.
76 Ninth Ave., New York 11, N.Y.
DODGE & OLCOTT, INC.
180 Varick St., New York 14, N.Y.

Exchange

OIL OF LEMON U. S. P.

Oil, Sassafras—Petrolatum, Cream

Oil, sassafras, artif., dms.....lb. .85 - 1.25
nat., dom., USP, dms.....lb. 1.75 - 2.10
imp., Brazilian (see Oil ocetea cymbarum).
Savin, cns.....lb. 2.75 - —
Savory, cns.....lb. 4.25 - —
Sesame, refd., dms.....lb. .36 - .37
Shingle stain, tar distillate, dms., c.l., works gal. .35 - —
l.c.l., works gal. .44 - —
tanks, works gal. 23 - —
Snakeroot, Canada, cns.....lb.27.50 -31.00
Soybean, crude, tanks, Decatur. lb. .11½- —
foots, (soapstock), acid, 95%, tanks, N. Y. lb. .05¾- —
raw, 50%, tanks, N. Y. lb. .02 - —
refd., alkali, dms.....lb. .14⅞- —
tanks lb. .13⅜- —
clarified, dms.....lb. .14⅜- —
tanks lb. .12⅞- —
salad, dms.....lb. .15⅜- —
tanks lb. .13⅞- —
Spearmint, USP, dms.....lb. 4.75 - 5.60
Sperm, bleached winter, 45° dms. lb. .1725- .1750
tankcars lb. .1550- —
nat., winter, 45°, dms.....lb. .1625- .1650
tankcars lb. .1450- —
Spruce, cns., dms.....lb. 2.10 - 2.75
Sweet birch, USP, Nortnern, cns. lb. 4.25 9.50
Southern, cns.....lb. 2.50 3.00
Tall, crude, dms., c.l., works lb. .03½- —
tanks, works lb. .02½- —
dist., dms., c.l., works lb. .07½- —
l.c.l., works lb. .07¾- —
tanks, works lb. .06¼- —
refd., dms., c.l., works lb. .06½- .06¾
l.c.l., works lb. .06¾- .07¾
tanks, works lb. .05¼- .05¾

Oil, tallow, acidless, dms.....lb. .12¼- .14
Tangerine, Floridian, dms.....lb. 2.00 - 2.80
Tansy, dms.....lb. 7.50 - 8.40
Tar acid (See T's).
Pine, coml., dms., c.l., works lb. .528 - .536
l.c.l., works lb. .601 - —
whse. lb. .712 - —
tanks, works lb. .427 - .438
rectified, NF, drms., incl., l.c.l., works, South gal. 1.07 - —
ex whse., N. Y. C. gal. 1.15 - —
Theobroma (see Cocoa butter).
Thyme, NF, red, cns., dms.....lb. 1.70 - 3.75
white, cns.....lb. 1.95 - 4.00
tech., white, cns.....lb. .40 - 1.85
Tung, dms., c.l., N. Y.....lb. .27½- .27¼
l.c.l., same basis lb. .27⅜- .27¾
tanks, N. Y. lb. .25⅜- .25¾
domestic mills lb. .24⅜- .24¼
Turkey red (see Oil, castor, sulfonated).
Turpentine, NF, cns., dms.....lb. .28 - .45
Vetiver, Bourbon, cns.....lb.13.00 -17.00
Haitian, cns.....lb.10.50 -17.50
Java, cns.....lb.22.50 -40.00
Wheat, germ., 5-gal. dms....gal.10.00 -13.00

White mineral, tech., 50-65 vis., non-ret. dms., c.l., f.o.b. N. Y. gal. .51½- .54¼
65-75 vis., non-ret., dms., c.l., same basis gal. 52½- .55
l.c.l., same basis gal. .57½- .58¼
80-90 vis., non-ret., dms., c.l., same basis gal. .53½- .56¼
l.c.l., same basis gal. .58½- .59¼
125-135 vis., non-ret., dms., c.l., same basis gal. .59½- .62¼
l.c.l., same basis gal. .64½- .65¼
145-155 vis., non-ret., dms., c.l., same basis gal. .66 - 68¼
l.c.l., same basis gal. .71 - .71½

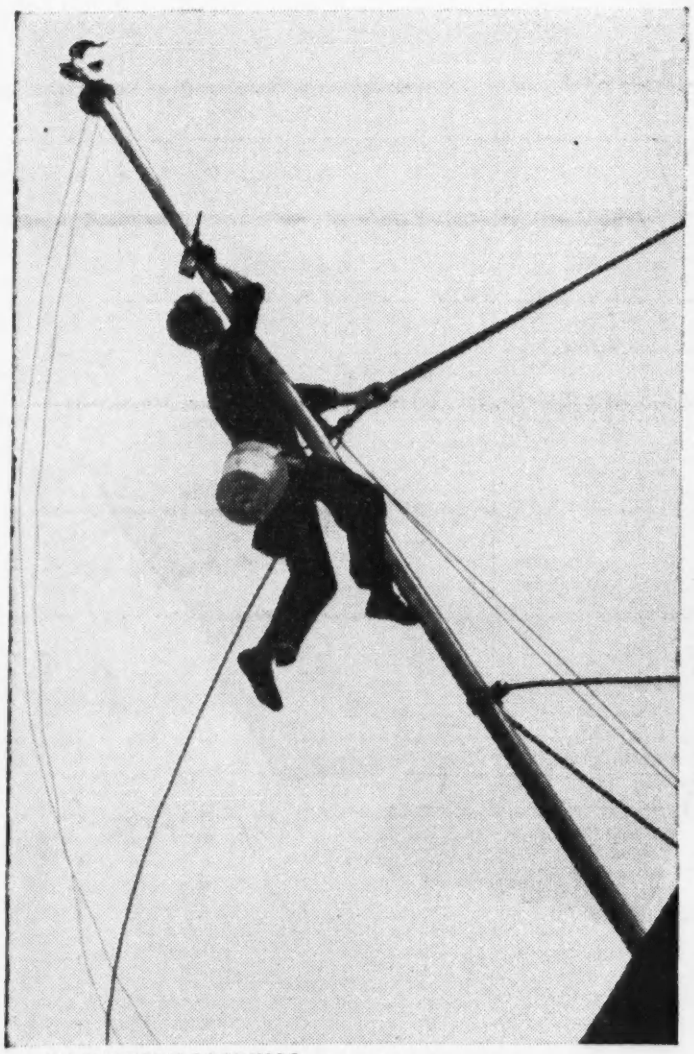
Oil, white mineral, tech., 175-185 vis., non-ret. dms., c.l., same basis gal. .69½- .73
l.c.l., same basis gal. .74½- .75
USP, 200-210 vis., non-ret., dms., c.l., same basis gal. .73½- .75
l.c.l., same basis gal. .77½- .78
345-355 vis., non-ret. dms., c.l., same basis gal. .77 - .80
l.c.l., same basis gal. .83 - .85
Wintergreen, USP, nat., Northern, cns.lb. 6.35 -10.30
Southern, cns lb. 3.20 -19.50
synthetic (see Methyl salicylate).
Wood (see Oil, tung).
Wormseed, cns.....lb. 3.75 - 5.00
Wormwood, cns.....lb. 5.00 - 6.85
Ylang-ylang, Bourbon, bots. ..lb.17.00 -30.00
extra, bots.....lb.28.00 -40.00
Madagascar, bots.....lb. No stocks
Oleostearine, bbls.....lb. .10½- —
Opium, USP, cns.....lb.19.20 -19.45
gran., USP, cns.....lb.21.65 -21.90
powd., USP, cns.....lb.21.65 -21.90
Orange cadmium lithopone, bbls., frt. alld. E. of Rockies lb. 1.56 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., include Davenport, Tenn., and E. of Minneapolis, Rock Island, St. Louis, St. Paul lb. .31 - —
Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1½c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex., El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Dinitroaniline toner.....lb. 1.30 - —
vis., non-ret., dms., c.l., same basis gal. .69½- .73
Mineral, American, bbls., l.c.l., works lb. .2035- .2060

Orange, molybdated, bbls.....lb. .45 - —
o-Nitroaniline toner, kgs.....lb. 1.15 - —
Orange peel, bitter, Haitian, bls.lb. .14 - .16
sweet, bls.....lb. .16 - .18
Orris root, Florentine, bls.....lb. .45 - .50
powd., bbls., bxs.....lb. .50 - .53
Verona, bls.....lb. .35 - .40
powd., bbls., bxs.....lb. .40 - .45
Orthoaminobiphenyl (see o-Aminobiphenyl).
Orthoanisidin (see o-Anisidine).
Orthochloroanilin (see o-Chloroaniline).
Orthochlorobenzaldehyde (see o-Chlorobenzaldehyde).
Orthochloroparanitroanilin (see 2-Chloro-4-nitroaniline).
Orthochlorophenol (see o-Chlorophenol).
Orthocresol (see o-Cresol).
Orthodichlorobenzene (see o-Dichlorobenzene).
Orthonitroanilin (see o-Nitroaniline).
Orthonitrochlorobenzene (see o-Nitrochlorobenzene).
Orthonitrobiphenyl (see o-Nitrobiphenyl).
Orthonitroparachlorophenol (see 2-Nitro-4-chlorophenol).
Orthonitrophenol (see o-Nitrophenol).
Orthonitrotoluene (see o-Nitrotoluene).
Orthophenetidin (see o-Phenetidine).
Orthophenylphenol (see o-Phenyl phenol).
Ortho-tertiary-amylphenol (see o-tert-Amylphenol).
Orthotolidin (see o-Tolidine base).
Orthotoluidin (see o-Toluidine).
Osage orange, cryst., No. 1, bbls., l.c.l lb. .40 - —
extract, liq., No. 1, bbls., l.c.l lb. 19 - —
Ouabain, USP, bots.....gram. 3.00 - 4.00
Oxyquinolin sulfate, cns., 100-lb. lots, works lb. 4.75 - 5.00
smaller lots, works.....lb. 4.92 - 5.17

P

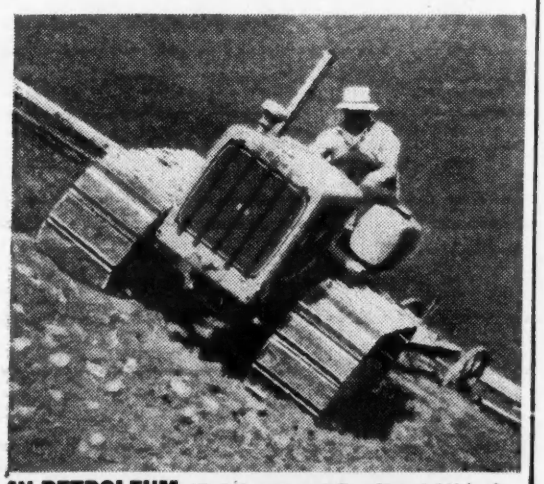
Pancreas substance, assay 1:75 bots., 5-lb. lots or more lb 4.00 - —
Pancreatin, USP, bots.....lb. 1.90 - 2.10
Papain, USP, African, bots.....lb. 3.50 - 4.00
Ceylon.....lb. 3.00 - 3.50
Papaverine, nat. or syn. hydrochloride, USP, cns., 25-oz. to 100-oz. lots oz. 5.00 - —
smaller lots.....oz. 5.05 - 5.20
Sulfate, cns.....oz. 7.10 - 7.35
Paprika, Roumanian, bgs. .....lb. .28 - —
Spanish, bgs.....lb. .36 - .37
Yugoslavian, bgs.....lb. .36 - —
Para-aminophenol (see p-Aminophenol).
Para-anisidin (see p-Anisidine).
Parachloranilin (see p-Chloroaniline).
Parachlorobenzaldehyde (see p-Chlorobenzaldehyde).
Parachloro-orthonitroanilin (see 4-Chloro-2 nitroaniline).
Parachlorophenol (see p-Chlorophenol).
Paracresol (see p-Cresol).
Paradibromobenzene (see p-Dibromobenzene).
Paradichlorobenzene (see p-Dichlorobenzene).
Paraffin, crude scale, white, 121°-123°F, ASTM, solid, c.l., refy lb. .0710- —
fully refd., 122°-124°F, ATSM, slabs loose, c.l., refy lb. .0845- —
125°-127°F, ASTM, slabs loose, c.l., refy lb. .0845- —
130°-132°F., ASTM, slabs loose, c.l., refy lb. .0855- —
132°-134°, ASTM, slabs, loose, c.l., refy lb. .0855- —
135°-137°F., ASTM, slabs loose, c.l., refy lb. .0855- —
Prices for paraffin in bags and cns., c.l. 7/10c. per lb. higher; 1,000 to 9,999 lbs., 2.7c. per lb. higher and under 1,000 lbs. 3.7c. per lb. higher.
AMP temperatures are an arbitrary 3°F. higher than ASTM.
Paraformaldehyde, 91%, flake, bgs., c.l., frt. alld lb. .1075- —
l.c.l., frt. alld lb. .1275- .1375
powd., bgs., c.l., frt. alld lb. .15½- —
l.c.l., frt. alld lb. .17 - —
USP X, fib, dms., c.l. lb. .183 - —
1,000-lb. lots lb. .193 - —
smaller lots lb. .208 - —
Paraldehyde, tech., 98%, 55-gal. dms., c.l. works lb. .13½- —
l.c.l., works lb. .14½- —
tanks, works lb. .11½- —
Paranitroanilin (see p-Nitroaniline).
Paranitrochlorobenzene (see p-Nitrochlorobenzene).
Paranitrophenol (see p-Nitrophenol).
Paranitrotoluene (see p-Nitrotoluene).
Paraphenetidin (see p-Phenetidine).
Paraphenylenediamine (see p-Phenylenediamine).
Paraphenylphenol (see p-Phenylphenol).
Para-tertiary-amylphenol (see p-tert-Amylphenol).
Para-tertiary butylphenol (see p-tert-Butylphenol).
Parathion, spray powder, 15% dealers, dms., works lb. .50 - .52
tech., dms., c.l., t.l., works lb. 1.3395- —
l.c.l., works lb. 1.51 - —
Paratoluenesulphonamide (see p-Toluenesulfonamide).
Paratoluidine (see p-Toluidine).
Paris green, dealer, distributor, dms., c.l., works, frt. alld. on 96 lbs. or over lb. .38 - .40
l.c.l., same basis lb. .37 - .53
Passion flower herb, bls.....lb .20 - .21
Peanut meal, 45%, old process, bgs., mills ton.78.00 Nom.
Pectin, citrus, NF, powd., bbls. lb. 2.05 - 2.06
tech., powd., bbls.....lb. 1.50 - —
imported, Danish, ex whse.....lb. 1.28 - —
Penicillin, crystalline, potassium, sterile, bulk, 1,000,000 units. .04½- .05
Procaine bulk.....1,000,000 units. .04½- .05
Sodium, sterile, bulk, 1,000,000 units. .04½- .05
Pentachlorophenol, dms., c.l., t.l., works, frt. equald lb. .21 - —
l.c.l., same basis lb. .22½- .29
Pentaerythritol, tech., bgs., c.l., works lb. .32 - —
l.c.l., works lb. .33 - —
Di- and tri-isomers (see Dipentaerythritol and Tripentaerythritol).
Pentane, industrial, tanks, Tex. refy gal. .14¼- —
Pepper, black, Malabar, spot, bgs lb. .43 - —
red, Gondar, spot, bgs.....lb. .28 - .30
Japanese, hontaka, bgs.....lb. .32 - .33
birdseyes, bgs., new crop lb. .50 - —
Mombasa, bgs., shipt. .....lb. .72 - —
Nigerian, bgs. .....lb. .29 - —
Turkish, bgs. .....lb. .22 - .23
white, bgs. .....lb. .51 - —
Peppermint leaves, USP, dom., bls., dms lb. .70 - .75
imp., bls. .....lb. 1.10 - —
Pepsin, NF, 1:3,000 bulk.....lb. 3.45 - 3.50
Perchloroethylene, dms., c.l., or truckloads, dlvd. E lb. .12½- —
l.c.l., dlvd. E lb. .14 - —
tank truck, 1,000 gal. min., dlvd. E lb. .11½- —
tanks, dlvd E.....lb. .11 - —
dlvd. W. .....lb. .11½- —
Peru balsam, dms.....lb. 1.50 - 1.75
Petrolatum, amber, dms., c.l., refy. lb. .05 - .05¾
l.c.l., dlvd.....lb. .06¾- .07
tanks, refy.....lb. .03¼- .04¼
cream, dms., c.l., refy.....lb. .05½- .07½
l.c.l., dlvd.....lb. .08½- .08¾
tanks, refy.....lb. .04⅜- .05⅜

Enjay assures you top product quality

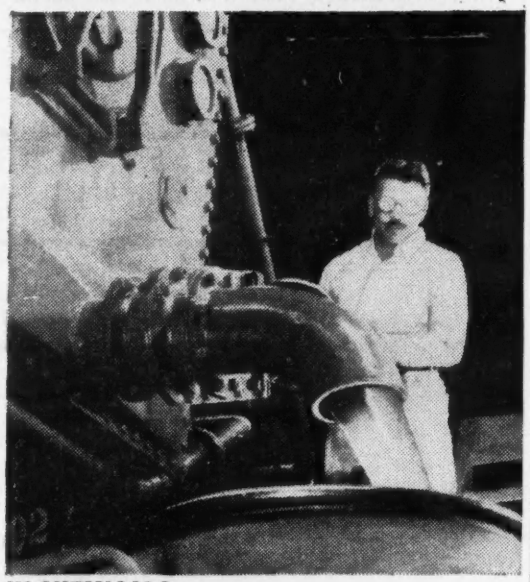


IN SURFACE COATINGS (*Paint, Varnish and Lacquer*)

You can depend on Enjay for the quality ingredients that make your product a sales success. Enjay offers a complete line of petroleum chemicals to the surface coating, chemical and petroleum industries . . . backed by 35 years of research, know-how and proved results. Enjay is also ready to assist you in developing new or improved products through chemistry. Next time, call Enjay for *your* chemical needs.



IN PETROLEUM (*Lubricants and Gasoline Additives*)



IN CHEMICALS (*Plastics*)

PETROLEUM	SURFACE COATING	CHEMICAL
PARANOX	PETROHOL 51	PETROHOL 91
PARATONE	PETROHOL 95	PETROHOL 95
PARAFLOW	PETROHOL 99	PETROHOL 99
PARAPOID	JAYSOL	JAYSOL
PARADYNE	Secondary Butyl Alcohol	Iso-Octyl Alcohol
PARATAC	Secondary Butyl Acetate	Decyl Alcohol
PETROHOL	Isopropyl Acetate	Denatured Ethyl Alcohol
Methyl Ethyl Ketone	Acetone	Tridecyl Alcohol
Dewaxing Aid	Methyl Ethyl Ketone	Dicyclopentadiene
Ethyl Ether	Dicyclopentadiene	Isoprene
Isopropyl Ether	Ethyl Ether	Butadiene
Reference Fuels	Isopropyl Ether	Ethyl Ether
	Naphthenic Acids	Isopropyl Ether
	Iso-Octyl Alcohol	Tetrapropylene
	Decyl Alcohol	Tripropylene
	Denatured Ethyl Alcohol	Aromatic Tars
		Benzene
		Acetone
		Methyl Ethyl Ketone

ENJAY

35 successful years of leadership in serving industry

Enjay Company, Inc.
15 West 51st Street, New York 19, N. Y.

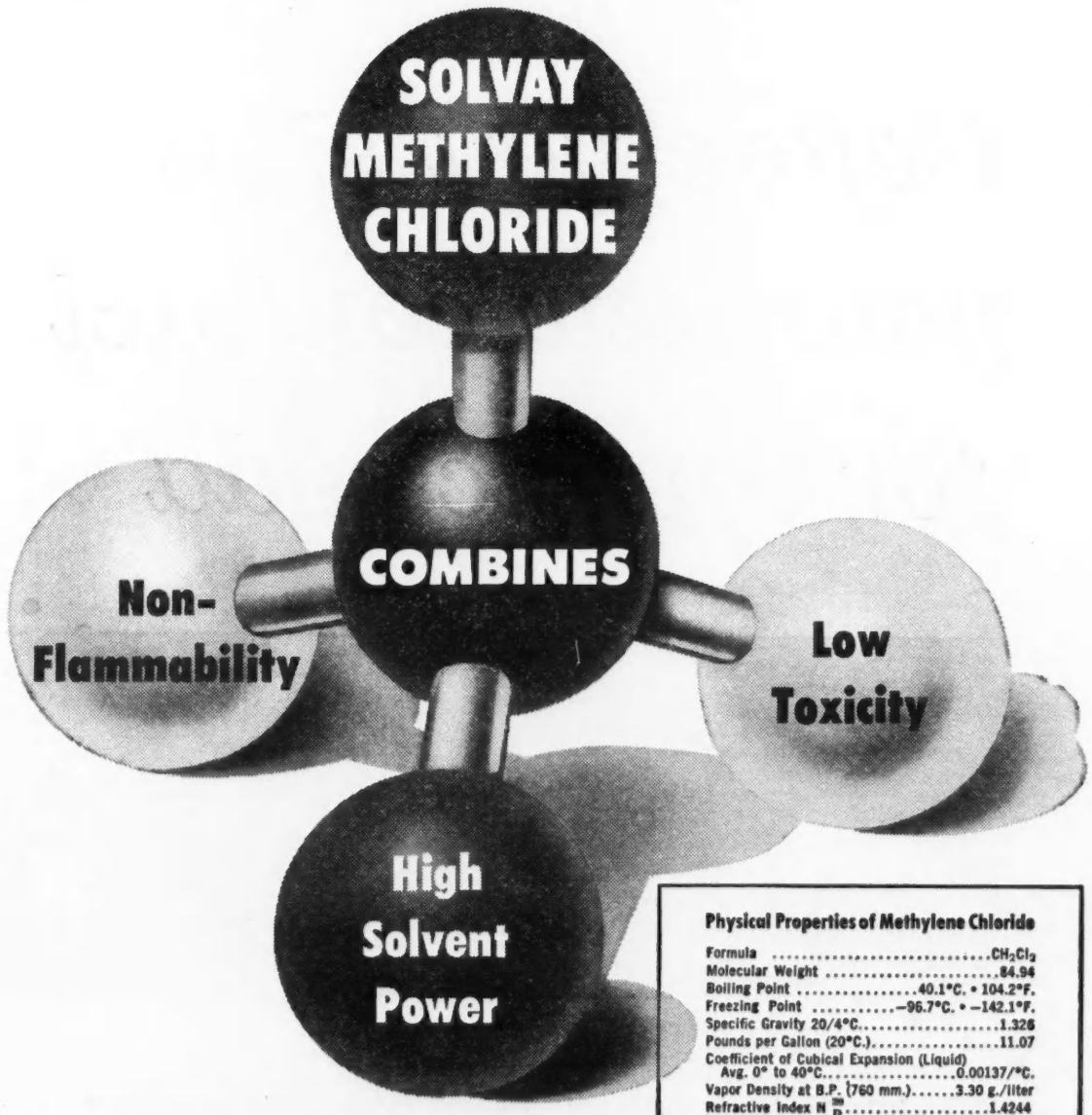
Petrolatum, extra amber, dms., c.l., refy. lb. .05¼ - .05⅞
l.c.l., dlvd. lb. .07 - .07¼
tanks, refy. lb. .03½ - .04⅜
USP, white, lily, dms., c.l., refy. lb. .06⅝ - .07¼
l.c.l., dlvd. lb. .08⅜ - .09⅛
tanks, refy. lb. .04⅞ - .06
snow, dms., c.l., refy. lb. .07½ - .07¾
l.c.l., dlvd. lb. .09⅜ - .09⅝
tanks, refy. lb. .05⅜ - .05⅞
soft, dms., c.l., refy. lb. .08¼ - .07¾
l.c.l., dlvd. lb. .08½ - .08¾
tanks, refy. lb. .05 - .05⅞
yellow soft, dms., c.l., refy. lb. .05¼ - .05¾
l.c.l., dlvd. lb. .06⅞ - .07⅛
tanks, refy. lb. .03½ - .05⅛
Petroleum, lacquer diluent, 150-240°F., b.r., tanks, West Coast, ex tax, Los Angeles. gal. .169 - .204
East coast, N. J., N. Y. gal. .19 -
Group 3, benzol-type gal. .14125 - .14625
toluol-type gal. .13125 - .13375
Mineral spirits, reg., tanks, California, ex tax, San Francisco gal. .164 - —
East coast, N. J., N. Y. gal. .17 - —
Group 3 gal. .11875 - —
tankwagon, Boston gal. .19 - —
Buffalo gal. .195 - —
Chicago gal. .279 - —
Cleveland gal. .22 - —
Newark gal. .18 - —
New York gal. .18 - —
Philadelphia gal. .185 - —
Pittsburgh gal. .18 - —
Providence gal. .195 - —
odorless, tanks, refy., Watson, Cal. gal. .245 - —
Borger, Tex gal. .24 - —
Houston, Tex gal. .24 - —
Wood River, Ill. gal. .2625 - —
dlvd. N. J. gal. .32 - —
dlvd. N. Y. gal. .33½ - —
tankwagon, N. J., dlvd. gal. .36 - —
N. Y., dlvd gal. .37 - —
Naphtha, cleaners, tanks, East Coast, N. J. and N. Y. gal. .17 - —
Group 3 gal. .12875 - —
tankwagon, Newark gal. .18 - —
New York gal. .18 - —
Philadelphia gal. .185 - —
High solvency (see Petroleum solvent, partial aromatic)
VM&P, 225°-300°F, b.r., tanks, West Coast, Los Angeles gal. .169 - —
Portland, Ore gal. .175 - —
San Francisco gal. .174 - —
Seattle, Wash gal. .175 - —
East Coast, N. J., N. Y. gal. .18 - —
Group 3 gal. .12875 - —
tankwagon, Boston gal. .205 - —
Chicago gal. .289 - —
Cleveland gal. .23 - —
Newark gal. .195 - —
New York gal. .195 - —
Philadelphia gal. .20 - —
Pittsburgh gal. .19 - —
Solvent, partial aromatic, tanks, 205°-282°F, b.r., 41°C., m.a.p., N. Y., N. J. gal. .245 - —
212°-278°F b.r., 43°C. m.a.p., N. J. gal. .26 - —
212°-284°F b.r., 19°C. m.a.p., N. J. gal. .29 - —
224°-280°F. b.r., 48°C. m.a.p., Houston gal. .215 - —
273°-361°F. b.r., 29°C. m.a.p., N. J. gal. .29 - —
282°-325°F. b.r., 41.5°C. m.a.p. Houston gal. .25 - —
287°-386°F., b.r., 31°C., m.a.p., N. J. gal. .29 - —
310°-344°F., b.r., 13.5°C. m.a.p., Texas City gal. .33 - —
310°-348°F. b.r., 17°C., m.a.p., N. Y., N. J. gal. .35 - —
320°-360°F. b.r., 16°C. m.a.p., N. Y., N. J. gal. .33 - —
324°-349°F., 37°C. m.a.p., Houston gal. .33 - —
341°-390°F., b.r., 35°C., m.a.p., N. J. gal. .27 - —
352°-413°F, b.r., 30°C, m.a.p., Houston gal. .33 - —
352°-410°F b.r., 16.5°C. m.a.p., Texas City gal. .33 - —
358°-401°F., b.r., 25°C. m.a.p., N. Y., N. J. gal. .39 - —
364°-404°F b.r., 19°C. m.a.p., N. Y., N. J gal. .425 - —
367°-418°F. b.r., 19.6°C. m.a.p., N. Y., N. J gal. .33 - —
rubber, tanks, Cal., ex tax, San Francisco gal. .173 - —
East Coast, N. J., N. Y., gal. .18 - —
Group 3 gal. .12875 - —
Stoddard, tanks, East Coast, N. J., N. Y. gal. .17 - —
Group 3 gal. .12375 - —
Pensylvania, western gal. .15 - —
Boston gal. .19 - —
Chicago gal. .289 - —
Cleveland gal. .22 - —
Los Angeles, ex tax gal. .194 - —
Newark gal. .18 - —
New York gal. .18 - —
Philadelphia gal. .185 - —
Pittsburgh gal. .18 - —
Sulfonate, oil soluble, 60-62% sulfonic content, non-ret., ret., dms., c.l., works lb. .16 - .18¼
l.c.l. works lb. .17 - .18½
tanks, works lb. .14 - .16½
50-55% sulfonic content, non-ret. dms., c.l., works lb. .15½ - —
l.c.l., works lb. .16½ - —
tanks, works lb. .12½ - —
o-Phenetidine, dms., works lb. 1.00 - —
p-Phenetidine, dms., works lb. 1.00 - —
Phenobarbital, USP, dms., 100-lb. lots lb. 3.50 - —
Phenobarbital-sodium, USP, dms., 100-lb. lots lb. 3.50 - —
Phenol, 90-92% (cresol 8-10%), non-ret. dms. c.l. frt alld E. of Rockies lb. .15¾ - .16¾
l.c.l., same basis lb. .16½ - .17⅛
tanks, same basis lb. .14 - .15
82-84% (cresol 16-18%), non-ret. drums, c.l., same basis lb. .15¼ - .16¼
l.c.l., same basis lb. .16 - .17
tanks, same basis lb. .13½ - .14½
39° or above, tar distilled, non-ret. dms., c.l., same basis lb. .17¼ - .17¾
l.c.l., same basis lb. .18 - .18½
tanks, same basis lb. .15½ —
USP, syn., dms., c.l., frt. alld. lb. .17¾ - .18¼
1,000-lb. lots or more, same basis lb. .18½ - .19⅛
less than 1,000-lb. lots, same basis lb. .19½ - .20⅛
tanks, same basis lb. .16 - .17
Phenolphthalein, USP or yellow, bbls., dms., 2,000-lb. lots. lb. 1.10 - —
smaller lots lb. 1.12 - 1.17
Phenothiazine NF fib. dms., c.s., frt. adjusted lb. .39 - —
over 2,100 lbs., same basis lb. .41 - —
less than 2,100 lbs., same basis. lb. .43 - —
Phenyl acetate, dms., 100-lb. lots, works lb. .50 - —
Salicylate (see Salol.)

Phenylacetaldehyde, soln., 50%, bots lb. 2.40 - 2.70
100%, bots lb. 4.00 - 4.65
Phenylacetamide, 125-lb. dms., works lb. 1.10 - —
smaller dms., works lb. 1.15 - 1.10
dl-Phenylalanine, dms., works lb. 27.00 - 37.50
1-Phenyl-3-carbethoxy pyrazolone-5, 250-lb. fib. dms., dlvd. E lb. 3.60 - —
smaller dms., dlvd. E lb. 4.00 - —
Phenyldiethanolamine dms., c.l., dlvd. E lb. .40½ - —
l.c.l., dlvd. E lb. .41½ - —
tanks, dlvd. E lb. .38½ - —
m-Phenylenediamine, dms. frt. alld. lb. .50 - —
o-Phenylenediamine, comml., 100 to 1,000 lbs., fib. dms., works lb. 1.70 - 1.80
p-Phenylenediamine, redist., dms., works lb. 2.00 - —
tech., refd., dms., same basis lb. 1.10 - 1.35
Phenylethanolamine, d m s., c.l., works lb. .75½ - —
l.c.l., same basis lb. .76 - —
Phenylethyl acetate, bots lb. 1.30 - —
b-Phenylethylamine, dms., 1,000-lb. lots, works lb. 1.10 - —
smaller lots, works lb. 1.15 - 1.40
Phenylhydrazine base, CP, bots lb. 3.00 - 3.07
Hydrochloride, comml., kgs., works. lb. 1.75 - —
purif., bots., works lb. 5.17 - —
1-Phenyl-3-methyl pyrazolone-5, 250-lb. lots, dlvd. E lb. 1.70 - —
smaller lots, dlvd lb. 2.00 - —
Phenylethylphenyl acetate, bots lb. 3.95 - 4.40
o-Phenylphenol, dms., l.c.l., works lb. .42 - .44
p-Phenylphenol, bgs., c.l., works lb. .35 - —
l.c.l., works lb. .39½ - —
Phloroglucinol, comml., fib. dms., works lb 6.40 - —
C.P., bots., works lb. 17.75 - —
tech., tin cans., works lb. 10.45 - —

Phosphate, deflorinated (see under D).
Rock, Curacao, Atlantic ports, New Orleans ton. 43.00 - —
Florida, land pebble, run-of-mine, washed, dried unground, bulk, c.l., mines, 68-66%, b.p.l., bulk, c.l., mines long-ton. 4.82 - 5.06
70-68%, b.p.l., c.l., same basis long-ton. 5.22 5.46
72-70%, b.p.l., c.s., same basis long-ton. 5.87 - 6.11
75-74% b.p.l., c.l., same basis long-ton. 6.87 - 7.11
78-76%, b.p.l., c.l., same basis long-ton. 7.87 - 8.11
The above prices are based on fuel oil at $2.35 per bbl. and labor at $1.31.
Phosphorus, amorph., red, dms., t.l., works lb. .43 - —
smaller lots, works lb. .44 - .45
white (yellow), solid, dms., c.l., works, frt. equald lb. .20 .20½
l.c.l., works, frt. equald. lb. .21½ —
tanks, works, frt. equald. lb. .19 - —
Oxychloride, dms., c.l., works. lb. .14 - —
l.c.l., works lb. .15 - —
tanks, works lb. .12½ - —
Pentasulfide, solid, dms., c.l., works lb. .11½ - —
l.c.l., works lb. .12½ - —
Pentoxide, dms., c.l., works lb. .13½ - —
l.c.l. works lb. .16½ - —
Sesquisulfide, tins, cs., works lb. .29 - —
export, dms. lb. .31 - .36
Trichloride, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tankcars, works lb. .12½ - —

Petrolatum, Extra Amber—Pitch, Tall

Phthalic anhydride ogs, c.l., works, frt. equald lb. .20 - —
l.c.l. same basis lb. .21 - —
tanks, same basis lb. .19¼ - —
Phthalimide, 97%-98%, dms., works, frt. alld lb. .65 - .70
Phthalylsulfacetamide, 1,000-lb. lots or more lb. 5.00 - —
a-Picoline, ret. dms., c.l., works, frt. equald lb. .43 - .43½
l.c.l. works, frt equald lb. .44 -
tanks, same basis lb. .415 - .422
b,g-Picoline, 5° dms., c.l., works. lb. .32½ - —
l.c.l. works lb. .33 - —
g-Picoline, 98% dms., c.l., works. lb 2.65 - —
Pilocarpine hydrochloride, USP, bots oz 5.25 - —
Nitrate, USP, bots, vials oz 4.80 - 4.90
Pimento, Jamaican, bgs. lb. .86 - —
Mexican, bgs. lb. .71 - —
Pink root, bls. lb 3.00 3.25
d-Piperazine hexahydrate, French Codex, bots kilo 8.00 8.50
Piperidine, dist., dms. frt. equald. lb. 2.60 - 2.70
Piperonyl butoxide, dms., dlvd E. lb 4.50 - 5.05
Cyclonene, dms., dlvd. E lb. 3.70 - 4.25
Pitch, coaltar, 150°-170°F. m.p., tanks, works ton. 37.00 - —
Cottonseed, raw, dms., works lb. .02¼ - .03
Linseed dms lb. .06 Nom.
Marine, dms. lb. .04¼ - .05
Petroleum (see Asphalt, petroleum).
Soybean, dms., works lb. .05 Nom.
Tall, dms., works lb. .03¾ - .04¼



Combining highly efficient solvent power with the safety of non-flammability and low toxicity, Solvay Methylene Chloride has found many diverse industrial uses such as: the active ingredient in paint remover formulas; an efficient extractant for heat sensitive compounds or organic compounds of a non-polar nature; a solvent and diluent in aerosol packaging; and as a solvent in the manufacture of photographic films and other forms of cellulose acetate.

The coupon will bring you further information or a sample—without cost or obligation.

SOLVAY

Soda Ash • Snowflake® Crystals • Potassium Carbonate
Calcium Chloride • Ammonium Bicarbonate • Sodium Bicarbonate
Cleaning Compounds • Caustic Potash • Sodium Nitrite • Chlorine
Caustic Soda • Ammonium Chloride • Para-dichlorobenzene
Methyl Chloride • Ortho-dichlorobenzene • Monochlorobenzene
Carbon Tetrachloride • Chloroform • Methylene Chloride

Physical Properties of Methylene Chloride

Formula	CH_2Cl_2
Molecular Weight	84.94
Boiling Point	40.1°C. • 104.2°F.
Freezing Point	−96.7°C. • −142.1°F.
Specific Gravity 20/4°C.	1.326
Pounds per Gallon (20°C.)	11.07
Coefficient of Cubical Expansion (Liquid) Avg. 0° to 40°C.	0.00137/°C.
Vapor Density at B.P. (760 mm.)	3.30 g./liter
Refractive Index N_D^{20}	1.4244
Viscosity Liquid (20°C.)	0.430 centipoise
Surface Tension (in air) 20°C.	28.12 dynes/cm.
Specific Heat of Liquid (20°C.)	0.284 cal./gm./°C.
Latent Heat of Vaporization (at B. P.)	78.7 cal./gm.
Critical Temperature	245.0°C. • 473.0°F.
Critical Pressure	60.9 atm.
Flash Point	None

SOLVAY PROCESS DIVISION
ALLIED CHEMICAL & DYE CORPORATION
61 Broadway, New York 6, N. Y.

Allied Chemical

Gentlemen:
Please send me—AT NO COST OR OBLIGATION:
☐ A working sample of Solvay Methylene Chloride.
☐ Your new book on Methylene Chloride and other Solvay Chloromethanes.
☐ Additional information—see attached letter.

Name_____
Company_____
Title_____
Address_____
City_____ Zone____ State_____ DU-9

Plaster of Paris—Pyroxylin

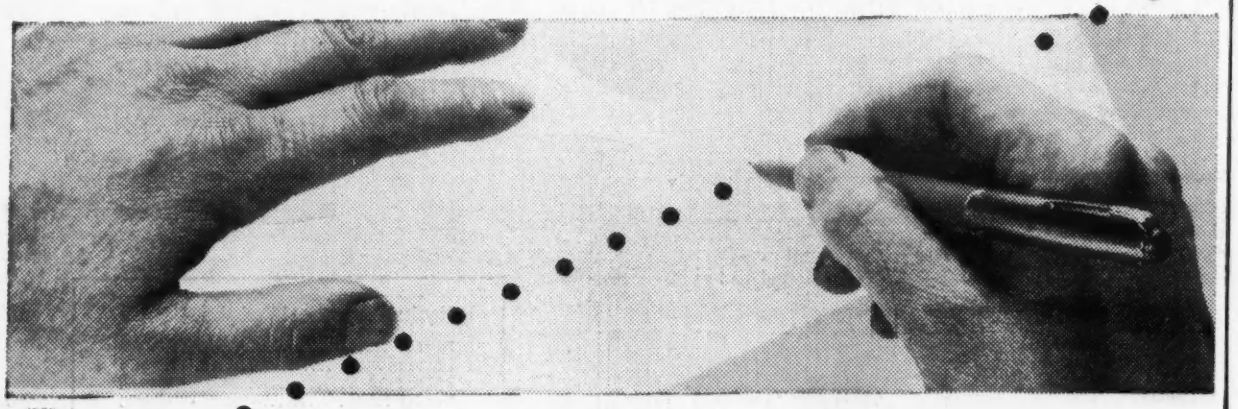
Plaster of Paris (see Gypsum).
Platinum metal, works ..... oz. 80.00 Nom.
Pleurisy root, ms ..... lb. 45 - .50
Podophyllum resin, NF, dms .... lb. 14.25 - —
Poke root, bls ..... lb. .19 - .22
Polymyxin, bulk, bots., dms., 50 billion units or more, 1,000,000 units. .52 - —
25-50 billion units 1,000,000 units. .54 - —
1-25 billion units 1,000,000 units. .56 - —
Polyoxyethylene sorbitan monostearate, dms., 20,000-lb. lots, works lb. .41 - —
10,000-20,000-lb. lots, works, lb. .43 - —
smaller lots, works lb. .46 - .48
tristearate, dms., 20,000-lb. lots, works lb. .41 - —
10,000-20,000 lb. lots, works, lb. .43 - —
smaller lots, works lb. .46 - .48
Poppy seed, Argentine, bgs ..... lb. .19 - —
Dutch, bgs. ..... lb. .21 - —
Iranian, bgs. ..... lb. .15 - —
Polish, bgs. ..... lb. .19 - —
Turkish, bgs. ..... lb. No prices.
Potash, caustic, reg., flake, 88-92%, dms., c.l., works 100 lbs. 9.15 -
t.c.l., works 100 lbs. 10.20 - —
liq., 45% basis, dms., c.l., works .. 100 lbs. 4.25 - —
t.c.l., same basis 100 lbs. 5.05 - —
tanks, same basis 100 lbs. 3.70 - —
solid, 88-92%, dms., c.l., works. 100 lbs. 8.70 - —
t.c.l., works .... 100 lbs. 9.75 - —

Potassium acetate, NF, dms .. lb. .31 - .36
Bicarbonate, USP, gran., dms .. lb. .22 - —
powd. dms ..... lb. .24 - —
Bichromate, bgs., c.l., works .. lb. .15 - —
t.c.l., works ..... lb. .15½ - —
Potassium bichromate in dms ½c. higher.
Bitartrate, NF, dom., gran., or powd., bbls., 5,000 lbs., 1 shipt .. lb. .36½ - —
dms., c.l. ..... lb. .36 - —
smaller lots ..... lb. .37 - .40
imp., kgs ..... lb. .27¾ - .28
Bromate, dms., 1,000 lbs. or more, lb. .47 - —
25-200-lb. lots ..... lb. .57 - .62
Bromide, USP, gran., bbls., kgs. lb. .36 - —
Carbonate, N.F., gram., bbls., dms lb. .20 - —
powd., bbls., dms ..... lb. .21 - .22
tech., calcined, bbls., c.l., works, 100 lbs. 9.00 - —
t.c.l., same basis .. 100 lbs. 10.05 - —
hydrated, 83-85%, bbls., c.l., works 100 lbs. 7.60 - —
t.c.l., works .... 100 lbs. 8.65 - —
Chlorate, cryst., dms., c.l., works lb. .10¼ - —
t.c.l., works ..... lb. .11½ - .12
powd., dms., c.l., works .. lb. .10¾ - —
t.c.l., works ..... lb. .12 - .12½
export, dms., New York .. lb. .12¾ - .13½
NF, gran., 25-lb. metal dms lb. .35 - —
Chloride, USP, cryst., dms .... lb. .21 - .23
gran., dms ..... lb. .15 - .17
powd. dms ..... lb. .24 - .26
Chromate, tech., bgs ..... lb. .50 - .50½
Citrate, USP gran., dms ..... lb. .41 - —
powd., dms ..... lb. .40½ - .41½

Potassium cyanide, dms., 20,000-lb. lots or more, works .. lb. .43 - —
2,000-19,999-lb. lots, works .. lb. .455 - —
smaller lots, works ..... lb. .465 - —
Dichromate (see Potassium bichromate).
Ferricyanide, drums, ton lots .. lb. .50 - —
Ferrocyanide, bgs., ton lots .... lb. .22½ - —
smaller lots ..... lb. .23 - —
Fluoborate, fib. dms., c.l., works. lb. .30 - —
t.c.l., works ..... lb. .31 - —
Fluoride, dms., works ..... lb. .37 - .38
Gluconate dms ..... lb. .75 - .79
Guaiacolsulfonate, NF, dms .... lb. 2.10 - 2.30
Hydroxide, tech. (see Potash caustic).
USP, pellets 100-lb. dms. 1 to 100-dm. lots .. lb. .33½ - .35
Hypophosphite, NF, fib. dms., ton lots or less .. lb. 1.00 - 1.03
Iodide, dms. ..... lb. 1.90 - 1.95
Manure salt, 22% K_2O, base price, unit-ton. .17 - .1765
July forward .. unit-ton. .38 - —
Metabisulfite, gran., dms ..... lb. .20 - .21
powd., dms ..... lb. .25 - —
Muriate, 59-63% K_2O, bulk, c.l., works, base price .... unit-ton. .36 - —
July forward .. unit-on. .38 - —
bgs., c.l., works, base price. ton. 26.00 - —
July forward .... ton. 27.20 - —
Nitrate, cryst., bbls., 20-ton lots. 100 lbs. 14.40 - —
smaller lots ..... 100 lbs. 14.65 - 14.90
gran., bbls., 20-ton lots. 100 lbs. 9.75 - —
smaller lots ..... 100 lbs. 11.10 - 11.50
powd., bbls., 20-ton lots. 100 lbs. 10.75 - —
smaller lots ..... 100 lbs. 12.00 - 12.50
USP, gran., dms. ..... lb. .18 - —
Potassium nitrate in bags, see. per 100 lbs. less in kegs, $1 more.

Potassium oxalate, neutral, tech., fine gran., bbls., dms .. lb. .30 - .32
Pentaborate, gran., bgs., c.l., works .. ton. 191.50 - —
dms., ton lots, ex whs .. ton. 198.00 - —
smaller lots, ex whse .. ton. 302.50 - —
Powdered Potassium permonorate, $10.25 per ton higher.
Perchlorate, dms., c.l., works .. lb. .15 - —
t.c.l., works ..... lb. .16½ - —
Permanganate, coml., dms., works. lb. .23½ - .26¼
USP, dms., works ..... lb. .26½ - .28
Persulfate, dms., 5-ton lots, works, lb. .18 - —
1-ton lots, works ..... lb. .20 - —
Phosphate, tetrabasic, bbls., works .. lb. .16½ - .18½
Prussiate, red (see Potassium Ferricyanide).
yellow (see Potassium Ferrocyanide).
Silicate, glass, bgs., c.l., works 100 lbs. 17.00 - 17.30
t.c.l. 100 lbs. 17.80 —
soln., clarif., 29° Be, 1:2.5, dms., c.l., works .. 100 lbs. 5.80 - —
t.c.l., 5 dms., or more, works .. 100 lbs. 6.55 - 6.95
tanks, works 100 lbs. 5.45 - —
electrical grade, 29° Be, 1:2.0 dms., c.l., works 100 lbs. 6.50 - —
t.c.l., 5 dms or more, works .. 100 lbs. 7.25 - 7.65
tanks, works .. 100 lbs. 6.15 - —
40.5° Be, 1:2.1, dms., c.l., works 100 lbs. 6.45 - —
t.c.l., 5 dms. or more, works 100 lbs. 7.20 - 7.60
bgs., c.l., works, June shipt.
Sillcofluoride, bbls., works .. lb. .09 - .10
Stannate, dms., frt. alld. E .... lb. .689 - .755
Sulfate, agricultural, 50% K_2O, bulk, works, base price. unit-ton. .64 - —
July forward .. unit-ton. .67 - —
NF VII cryst., dms ..... lb. .31 - .33
gran., dms. ..... lb. .18½ - —
powder dms. ..... lb. .16½ - .17
Sulfocyanide, NF, cryst., (see Potassium thiocyanide).
Thiocyanate, NF, cryst., dms lb. .84 - .94
tech., works ..... lb. .77 - .79
Titanate, ctns., c.l., works .... lb. .14 - —
5-ton lots, works ..... lb. .14½ - —
1-ton lot or less, works .... lb. .14¾ - —
Toluene sulfonate, dms., c.l. or tl. works lb. .42 - —
t.c.l., works ..... lb. .46 - —
Potassium-magnesium sulfate, bulk, works basis 40% K_2SO_4, 18% MgO, base price .. ton. 13.45 - —
July forward .... ton. 14.00 - —
Potassium-sodium tartrate, NF, gran., powd., dms., c.l. .. lb. .36½ - —
5,000-lb. lots ..... lb. .37 - —
smaller lots ..... lb. .37½ - .42¼
Potassium-titanium fluoride, fib. dms., works .. lb. .39 - .40
Potassium-zirconium fluoride, fib. dms., c.l., works .. lb. .50 - —
t.c.l., works ..... lb. .52½ - .55
Pregnenolone, bots ..... gram. .45 - —
Acetate, bots ..... gram. .40 - —
Procaine hydrochloride, USP, dms., 1,000-lb. lots, frt. alld .. lb. 2.90 - —
100-lb. lots ..... lb. 3.00 - 3.60
Progesterone, USP, bots., 100 gram lots .. gram. .50 - —
Acetate, bots ..... gram. .70 - —
Propane, indust., tanks, group 3. gal. .02½ - —
N. Y. Harbor ..... gal. .07¼ - —
n-Propyl acetate, dms., c.l., dlvd .. lb. .12¾ - —
t.c.l., dlvd ..... lb. .13¾ - —
tanks, dlvd ..... lb. .1075 - —
Gallate, dms., 100 to 2,000-lb. lots, works lb. 3.90 - 4.40
p-Hydroxybenzoate, USP, dms .. lb. 2.30 - 2.40
Thiouracil bots., 50-kilo lots or more .. kilo. 55.00 - —
smaller lots ..... kilo. 55.10 - 55.30
Propylene dichloride, dms., c.l., dlvd. E .. lb. .0825 - —
t.c.l., same basis ..... lb. .095 - —
tanks, same basis ..... lb .07 - —
Prices in West 1c. higher dlvd., an same basis.
Glycol, indust., dms., c.l., dlvd. E .. lb. .15½ - —
t.c.l., same basis ..... lb. .16½ - —
tanks, same basis ..... lb. .13½ - —
USP, dms., c.l., dlvd. E ..... lb. .17½ - —
t.c.l., same basis ..... lb. .18½ - —
tanks, same basis ..... lb. .15½ - —
Methyl ether, dms., c.l., dlvd. lb. .20 - —
t.c.l., same basis ..... lb. .21 - —
tanks, same basis ..... lb. .18½ - —
Oxide, dms., c.l., dlvd. E ..... lb. .17½ - —
t.c.l., dlvd. E ..... lb. .18½ - —
tanks, dlvd. E. ..... lb. .15½ - —
Psyllium seed, black, bgs. ..... lb. .55 - —
blonde, bgs. ..... lb. .18 - —
husks, bgs. ..... lb. .40 - —
Pumice, dom., grd., coarse to fine, 0, ½, 1, 1½, 2, 3, bgs., ton lots .. lb. .03¾ - .04¼
smaller lots ..... lb. .03⅞ - .04⅛
imp., Italian, silk-screen, coarse, bgs., ton lots .. lb. .06½ - —
fine, bgs., ton lots .. lb. .04 - —
sun dried, coarse, bgs ton, lots lb. .02½ - .04
fine, bgs., ton lots ..... lb. .02½ - .04
Pumpkin seed, bgs ..... lb. .25 - .30
Pyrethrin, syn., (see Allethrin).
Pyrethrum flowers, fine grd., 0.9% pyrethrins, bbls., works lb. .45 - —
powd., 1.3% pyrethrins, bbls., works lb. .65 - —
liq. 20/1 basis (2 grams pyrethrins per 100cc odorless base), dms., works gal. 8.35 - 8.55
100/1 basis (10 grams pyrethrins per 100cc odorless base), dms., works gal. 41.75 - 42.75
oleoresin, dewaxed, 20%, dms., works .. lb. 9.80 - 9.90
purif., 20% dms., works .... lb. 10.00 - 10.10
Pyridine, denaturing, dms., c.l., works and frt. equald gal. 2.77 - —
t.c.l., same basis ..... gal. 2.80 - —
refd., 2°, non-ret. dms., t.c.l., same basis .. lb. .75 - —
Pyridoxine hydrochloride, bots., 100-gram lots .. gram. .46 - —
Pyrites, Canadian, works long-ton. 3.00 - 3.00
Pyrocatechol (see Catechol).
Pyrogallol, NF, dms. ..... lb. 3.27 - 3.30
Pyroxylin, scrap, ungrd., amber, dms., works lb. .20 - —
black, dms., works ..... lb. .12 - —
mixed, mottled, dms., works. lb. .13 - —
shavings, amber, cs., works .. lb. No stocks.
mixed colors, dms., works lb. .11 - —
white, china, ivory, dms., works .. lb. .16 - —
dense, opaque, dms., works, lb. .12 - .15
translucent pastels, cs., works, lb. .14 - —
transparent colorless, dms., works .. lb. .25 - —
colors, dms., works ..... lb. .15 - —
USP, bots ..... lb. 9.50 - —

Before you sign your new contract for caustic soda



Right now is the time—before you make your new contract commitments—to carefully review the form of Caustic Soda you plan to buy.

You may be able to realize savings, for example, by converting to 50% Liquid Caustic—

IF you buy *solid caustic* and your transportation charge is less than $1.18 per 100 lbs., or

IF you buy *flake caustic* and your transportation charge is less than $1.62 per 100 lbs.

On the other hand, a number of 50% Caustic Soda users, depending upon volume consumed and location, have found it highly profitable to switch to 73% concentration.

Changes in your operations may affect the most economical form of caustic for you. What has been assumed for years to be right may not be the best for you today. Only an up-to-date analysis can tell. So before you make your new commitments, consult Columbia-Southern's Technical Service Department. A staff member will be assigned to help you determine the most advantageous form of caustic soda you should buy.

Write, wire or telephone our Pittsburgh office today.

COLUMBIA-SOUTHERN CHEMICAL CORPORATION
SUBSIDIARY OF PITTSBURGH PLATE GLASS COMPANY
ONE GATEWAY CENTER · PITTSBURGH 22, PENNSYLVANIA

DISTRICT OFFICES: Cincinnati • Charlotte
Chicago • Cleveland • Boston • New York
St. Louis • Minneapolis • New Orleans • Dallas
Houston • Pittsburgh • Philadelphia
San Francisco
IN CANADA: Standard Chemical Limited and its Commercial Chemicals Division

Q

Quassia chips ..... lb. .17 - —
Quebracho extract, clarif., 65% 70% tannin, bgs., c.l., works lb. .16½- .16¾
liq., 35% tannin, bbls., works lb. .08¼- —
solid, clarif., 64% tannin, bgs., c.l., ex-dock, duty extra. lb. .12 23/64- —
ord., 63% tannin, bgs., c.l., same basis lb. 11 21/32- —
Quercitron extract, cryst., No. 1, bbls., l.c.l. lb. .40 —
liq., No. 1, bbls. l.c.l lb. .19 —
Quicksilver (see Mercury metal).
Quince seed, bgs lb. 2.00 Nom.
Quinidine sulfate, USP, cns., 100-oz. lots oz. .87 - —
Quinine, NF, cns., 100-oz. lots oz. .54 - —
Bisulfate, USP cns., 100-oz. lots oz. .37½- —
Ethylcarbonate, NF, cns., 100-oz. lots oz. .63½- —
Hydrobromide NF cns. 50-oz cns. oz. .47½- —
Sulfate, USP, cns., 100-oz. lots oz. .42 - —
Quinine and Urea hydrochloride NF, cns oz. .58 —
Quinoline, dms., c.l., frt. equald lb. .56¾- —
l.c.l., same basis lb. .51¼- —
tanks, same basis lb. .50 —

R

R salt, paste, dms., frt alld., 100% basis lb. .88 - —
powd., frt. alld., 100% basis lb. .98 - —
Rauwolfia serpentina root, powd., bbls, dms lb. 2.00 - 3.00
Red, BON acid maroons, pure, bbls. lb. 1.75 - —
resinated, bbls lb 1.50 - —
arylid, deep shades, bbls lb 3.60 - —
light shades, bbls lb 2.75 —
maroon, bbls lb 3.60 5.90
Cadmium, CP, dark shade, bbls., frt. alld. E. of Rockies lb. 4.30 - —
light shade, bbls., same basis. lb. 4.00 - —
medium shade, bbls., same basis lb. 4.25 - —
medium light shade, bbls., same basis lb. 4.05 - —
orange shade, bbls, same basis lb. 3.95 - —
orange red, bbls., same basis. lb. 1.81 - —
lithopone light red shades, bbls., same basis lb. 2.01 - 2.16
medium light red shades, bbls., same basis lb. 2.19 - —
medium red shade, bbls., same basis lb. 2.37 - 2.52
dark red shade, bbls., same basis lb. 2.57 - 2.82
maroon shade, bbls., same basis lb. 2.82 - 3.05
dark maroon shade, bbls., same basis lb. 3.02 - —

Red cadmium lithopone all shades, in smaller pkgs., 5c per lb higher; all prices are 1c per lb higher ex whse Los Angeles and San Francisco

Carmine No. 40 (see Carmine).
Dyes (see Dyes, coaltar)
Eosin toner, bbls, works lb. 1.60 - —
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y lb. .12¾- —
Iron oxide, nat., 75-85% ferric oxide, bgs., l.c.l., Bethlehem, Pa., Copley O., Easton, Pa., East St. Louis lb. .04 - .07½
syn. 98% ferric oxide, bgs., c.l., works lb. .12¾- —
l.c.l., works lb. .13 —
Lake C toner, alizarin, bbls., works lb. 1.10 - 1.20
Lithol toner, bbls., works lb. .85 - —
rubine toner, pure, bbls., works. lb. 1.50 - —
resinated, bbls., works lb. 1.40 - —
Virginia type, bbls., works lb. 1.40 - —
Maroon toner, MNPT, kgs., c.l., works lb. 3.60 - —
10,000-lb. lots, works lb. 4.22 - —
smaller lots, works lb. 4.24 - —
Metallic, bbls., c.l., works lb. .02½- —
l.c.l., works lb. .02¾- —
Naphthol ITR, bbls., works lb. 5.25 - —
Oxide (see Red iron oxide).
Persian Gulf, bgs., c.l., works lb. .06¾- —
l.c.l., works lb. .07 - —
Para, toner, bbls. lb. 1.05 - —
chlorinated, kgs lb. 1.10 - 1.15
Phloxin toner (see Red eosin toner).
Rhodamine, molybdated, PMA, kegs lb. 5.35 - —
tungstated, PTMA, works, kegs. lb. 6.15 - —
Spanish oxide, bbls., c.l., ex dock lb. .05¾- —
l.c.l., ex dock lb. .06 - —
ex whse., New York lb. .06½- —
Toluidine toner, deep shades, kgs., works lb. 1.60 - —
light shades, kgs., works lb. 1.60 - —
Turkey, bbls., works lb. .62 - —
Tuscan, bbls. frt equald lb. .24½- .25
Venetian, 15%, bgs., works lb. .0350- .037
20%, bgs., works lb. .0475- —
25%, bgs., works lb. .0525- —
30%, bgs., works lb. .0550- —
35%, bgs., works lb. .0575- —
40%, bgs., works lb. .0625- —
Watchung-type, bbls lb. 1.95 - —
Red KB base (see 4-Chloro-o-aminotoluene).
Red, precipitate (see Mercuric oxide, red).
Red saunders, NF, powd., bbls lb. .35 - .40
Reserpine, cryst., bots gram 12.00 - —
Resorcinol, tech. grade, dms., c.l., works lb. .77½- —
l.c.l., works lb. .78½- —
USP, cryst., dms., works lb. 2.75 - —
powd., dms., works lb. 2.95 - —
Monoacetate, NF, dms lb. 3.00 - 3.25
Rhatany root, bgs lb. .15 .16
Rhodinol, 5-lb. cans lb. 25.50 -34.00
Rhubarb root, India, whole, bgs lb. 1.75 Nom.
powd., bbls lb. 2.50 Nom.
Riboflavin, USP, bots., dlvd kilo. 80.00 - —
readily soluble, bots., dlvd kilo. 130.00 - —
5'-phosphate-sodium, bots., 100-kilo lots or more kilo. 140.00 - —
Rochelle salt (see Potassium-sodium tartrate).
Rosin gum and wood (see Naval Stores in Protective Coatings market).
Rotenone, fib. dms., works, 100% basis lb. 10.00 - —
resin, 25-45%, fib. dms., works, 30% basis lb. 3.00 - —
Rottenstone, bgs., 5-ton lots, exwhse lb. .03 - —
ton lots, same basis lb. .04 - —
Rutin, NF, fib dms 25-kilo lots, kilo. 17.50 -18.50
10 to 25-kilo lots kilo. 17.50 -20.00
1 to 10-kilo lots kilo. 18.90 -20.00
Ryania, 100% powd., bgs., c.l., works lb. .22 - —
l.c.l., same basis lb. .24 - —

S

Sabadilla seed, powd., bbls lb. .49 - .49¼
activated, ground with lime, bbls lb. .30 - .32
Saccharin, USP, cryst., soluble, dms., 1000-lb lots lb. 1.60 - —
smaller lots lb. 1.70 - 1.80
powd., soluble insoluble, dms., 1000-lb lots lb. 1.65 —
smaller lots lb. 1.75 - 1.95
Saffron, Spanish, USP, tins lb. 35.00 -40.00
Safrol, dms lb. 1.60 - —
Sage, Cretan, bgs lb. .11 - —
Dalmatian, bgs. lb. .40 - —
Italian, bgs. lb. .13 - .14
Sago flour raw, bgs lb. .06½- .06¾
refd., bgs lb. .08¼- .08¾
Sal soda (see Soda sal)
Salicylamide, 100-lb. dms lb. 1.00 - —
Salol, NF, gran., bbls., kgs lb. 1.15 - —
Powdered salol, 25c. higher
Salt, rock, paper bgs., c.l. 100 lbs. .99 - —
table, vacuum common, fine, paper bgs, c.l 100 lbs. 1.17 - —
Saltcake, dom., bulk works, 100% Na2SO4 basis ton 28.00 - —
Saltpeter (see Potassium nitrate).
Sandalwood, East Indies, chips bgs. .65 .66
powd., fib. dms lb. .75 .76
Sarsaparilla root, imp., Honduras, bbls lb. .58 - .62
Mexican, bbls. lb. .58 - .62
Sassafras root bark, ord., bbls lb. .45 - —
select, bbls. lb. .65 - —
Schaeffer's salt, paste, dms., frt. alld. 100% basis lb. .95 - —
powd., bgs., frt. alld., 100% basis. lb. .95 - —
Scopolamine hydrobromide, USP, bots. oz. 17.40 - —
Seidlitz mixture, bbls., 5,000-lb. lots lb. .30¼- —
smaller lots lb. .31 - .32
Selenium, powd., dms., dlvd lb. 6.00 - 7.50
Senega root, bls lb. 2.35 - —
Senna leaves, Alex., whole and half, bls lb. .19 - —
siftings lb. .17 - —
Tinnevelly, No. 1, bls lb. .16 - .18
No. 2, bls. lb. .13 - .15
No. 3, bls. lb. .11 - .13
powdered, bbls., bxs lb. .18 - —
pods, bls. lb. .14 - —
Serpentaria root, bls lb. 4.95 - —
Sesame seed, Nicaragua, hulled, shipt., bgs lb. .26 - .27
nat., bgs. lb. .16¾- —
Salvadorian, natural lb. .16½ —
Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .58 - —
bbls., 1,500-lb. lots lb. .60 - —
kgs., 1,500-lb. lots lb. .61 - —
refd., bgs., 1,500-lb. lots lb. .66 - —
bbls., 1,500-lb. lots lb. .68 - —
kgs., 1,500-lb. lots lb. .69 - —

Bonedry shellac prices for less than 1,500 lb lots 1c. per lb. higher for all packages.

Lemon, No. 1, bgs., 10-bg. lots. lb. .54 - .56
No. 2, bgs., 10-bag lots lb. .52 - .54
Superfine, bgs., 10-bag lots lb. .51 - .52
TN, bgs., 10-bag lots lb. .50 - .51

Shellac in 1 to 10-bg. lots 1c. per lb. more.

Shingle stain oil (see Oil, shingle stain).

Silica, amorph., dry-grd., 325 mesh, bgs., c.l., works ton 25.00 —
l.c.l., works, ex whse ton 45.00 -55.00
hard-quartz, 99½, 325 mesh, bgs, c.l., works ton 20.00 —
l.c.l., works ton 25.00 -30.00
140 mesh, bgs., c.l., works ton 15.00 - —
l.c.l., works ton 20.00 - —
Silicon tetrachloride, tech., dms., c.l., works lb. .16 - —
l.c.l., works lb. .20 .28¼
Silver bullion, ingots, cs Troy oz. .90¾- —
Cyanide, fib. dms., 2,500-oz. lots. oz. .81¼- —
1,000-oz. lots oz. .81⅝- —
500-oz. lots oz. .81⅝- —
100-oz. lots lb. .82 - —
Nitrate, CP, cryst., bots., 2,500-oz. lots oz. .57¾- —
1,000-oz. lots oz. .59¼- —
500-oz. lots oz. .59½- —
250-oz. lots oz. .60 - —

USP granular silver nitrate 4c. per oz. higher

Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. 1.05 - —
strong, NF, bots, dms., 1,000-oz. lots oz 1.00 —
Soapbark, whole, bls lb. .45 - —
crushed, bls., bbls lb. .55 - —
powd., bbls lb. .55 - —
Soda ash, dense, 58% paper bgs. c.l. works 100 lbs 1.70
l.c.l., stock points 100 lbs. 2.80 - 4.57
bbls c.l. works 100 lbs 1.80
l.c.l., stock points 100 lbs. 3.35 - 4.12
bulk, c.l. works 100 lbs 1.40

THIS MAN IS MAKING HIS REPUTATION . . .

DOW

HAVE YOU CHECKED THE SAVINGS YOU MIGHT GET WITH 73%?

The gentleman above has just been struck by an idea. It may very well save his company an appreciable amount of money. The thought: Dow caustic soda in 73% solution is probably *his* best buy, too.

If someone in *your* organization hasn't checked the changed caustic picture lately, you may be missing this chance to save. Hundreds of caustic users *have* discovered the new economy of Dow's 73%. Why an economy? Because today's *increased freight rates* more than cancel out the narrow price difference between 50% and 73%.

A second point of savings, particularly for greater volume users, is the *unloading operation*. Many man-hours are saved because 73% unloads in the same amount of time as a car containing a lower concentration.

A Dow Technical Service man can give you an accurate picture of the savings you could realize with 73%. And don't rule out 73% even if you're now on solid or flake. The pertinent, factual information you get so easily is one of the advantages of dealing with Dow. THE DOW CHEMICAL COMPANY, Midland, Michigan, Dept. AL 392A.

you can depend on DOW CHEMICALS DOW

Soda Ash, Light—Sodium Sesquicarbonate

Soda ash, light, 58%, paper bgs., c.l., works 100 lbs. 1.65 - —
l.c.l., stock points 100 lbs. 3.75 - 4.52
bbls., c.l., works 100 lbs. 2.20 - —
l.c.l., stock points 100 lbs. 3.25 - 5.52
bulk, c.l. works 100 lbs. 1.35 - —

Soda, caustic, solid, 76%, dms., c.l., works, frt. equald 100 lbs. 4.25 - —
l.c.l. stock points 100 lbs. 5.45 - —
liq., 50%, sellers, tanks, works, dry basis 100 lbs. 2.70 - —
rayon-type, sellers' tanks, works, dry basis 100 lbs. 2.70 - —
70% sellers' tanks, works, dry basis 100 lbs. 2.80 - —
rayon-type, sellers' tanks, works, dry basis 100 lbs. 2.80 - —
76%, dms., c.l., works 100 lbs. 3.85 - —
l.c.l., stock points 100 lbs. 5.05 - —

Sal., bgs., c.l., works 100 lbs. 1.40 - —
l.c.l., works 100 lbs. 1.70 - —

Sodium acetate, anhyd., bgs., c.l., works lb. .12 - —
dms., c.l., works lb. .12¼ - —
NF, 60% gran., dms., c.l., works lb. .12½ - —
l.c.l., works lb. .14 - —

Alginate, NF, white powd. dms. ton lots, works lb. .87 - 1.30
refd., bbls., works lb. .83 - —

p-Aminobenzoate, dms., 1,000-lb lots or more lb 2.40 - —
smaller lots lb 2.45 2.50

p-Aminosalicylate, dms., 1,000-lb. lots or more, frt. adjusted. lb. 3.75 - —
smaller lots, same basis lb 3.80 4.25

Sodium antimoniate, bbls., c.l., dlvd. E lb. .28 - —
l.c.l., dlvd. E lb. .29½ - —
Arsenate, dms., c.l., works lb. .12½ - —
l.c.l., works lb. .13¾ - .14¾
Arsenite, dms., c.l., works lb. .13½ - —
l.c.l. works lb. .14¼ - .15½
soln., dms., works gal. .59 - .67
Ascorbate, dms., 25-50 kilo lots kilo.16.00 - —
10-kilo lots kilo.16.35 - —
5-kilo lots kilo.16.75 - —
1-kilo lots kilo.17.00 - —
bots., 500-gram lots kilo.17.50 - —
Benzoate, tech., bbls., dms., 100-lb lots or more lb. .39 - —
USP, bbls., dms., 100-lb. lots, or more lb. .45 - —

Bicarbonate, USP, gran., bgs., c.l., works 100 lbs. 2.70 - —
l.c.l., works 100 lbs 3.70 - —
powd., bgs c.l., works 100 lbs 2.30 - —
l.c.l., works 100 lbs. 3.30 - —
Bichromate, bgs., c.l., works lb. .11½ - —
l.c.l., works lb. .12 - .13¼
Bifluoride, bbls., c.l., works, frt. equaled lb. .17½ - —
l.c.l., same basis lb. .1790 - —
Bisulfate, bulk, c.l. works 100 lbs. 2.00 - —
dms., c.l., frt. equald 100 lbs. 3.00 - 3.60
l.c.l., frt. equald 100 lbs. 3.50 - 4.10
Bisulfite, anhyd. bgs. c.l. works. 100 lbs. 4.50 - —
l.c.l., works 100 lbs 4.90 - —
soln., 35°, bbls., c.l., works. 100 lbs. 1.55 - —
l.c.l., works 100 lbs. 2.05 - —
Borate (see Borax).
Bromide, USP, bbls., works lb. .36 - —

Sodium carbonate, anhyd. (see Soda ash).
cryst., monohydrated (see Soda, sal).
monohydrated bgs., c.l., works. 100 lbs. 2.90 - —
l.c.l., works 100lbs. 3.30 - —
Carboxymethyl cellulose (see CMC).
Chlorate, cryst., dms., c.l., works. lb. .08¾ - —
l.c.l., works lb. .10¼ - .11
Chloride, tech. (see Salt).
USP, bgs. lb. .05 - .12
Chlorite, tech., dms., c.l., works. lb. .58 - —
20-ton lots or more, works. lb. .66 - —
smaller lots, works lb. .70 - .73
Chloroacetate, tech., dms., c.l., works lb. .27 - —
l.c.l., works lb. .28 - —
Chromate, dms., c.l., works lb. .13¼ - —
l.c.l., same basis lb. .13¾ - .15
Citrate, anhyd., dms. lb. .60 - .65
NF VIII, gran., dms lb. .26 - .30½
USP, XVI gran., dms lb. .29½ - .34
Sodium citrate, USP, powd. prices ½c. higher.
Cyanate, dms., 1,000-lb. lots, works lb. .85 - 1.10
smaller lots works lb 1.00 1.25
Cyanide flake, 96-98%, dms., c.l., or 20,000-lb. lots lb. .178 - —
over 1,000-lb lots lb. .188 - —
100-lb. to 1,000-lb. lots lb. .198 - —
Granular sodium cyanide 1c higher.
Diacetate, 33-35% acidity, 250-lb. dms., works lb. .14 - —
l.c.l., works lb. .14¾ - —
anhyd., dms., c.l., works lb. .17 - —
l.c.l., works lb. .17¾ - —
Dichromate (see Sodium bichromate).

Sodium ferrocyanide, bgs., 10-ton lots lb. .13½ - —
smaller lots lb. .14 - —
Fluoride, white, 97%, fib. dms., c.l., works, frt. equald lb. .1250 - —
t.c.l. works lb. .1290 - —
Formate, bgs., c.l., works lb. 7.60 - —
t.c.l., works 100 lbs. 8.65 - —
Gentisate, 100-lb. fib. dms lb. 8.50 - —
Gluconate, refd., dms. lb. .80 - .83
tech., dms lb. .35 - —
Glutamate, mono-, dms., c.l. lb. 1.55 - —
Hydride, dms., works lb. 1.80 - 3.00
Hydrosulfide (see Sodium sulfhydrate).
Hydrosulfite, dms., c.l., frt. alld. lb. .22 - —
l.c.l., frt. alld lb. .22½ - —
Hydroxide, tech. (see soda, caustic).
NF pellets 100-lb dms. 100-dm. lots lb. .18½ - .23
Hypophosphite, NF, dms., ton-lots or less lb. .95 - .98
Hyposulfite, USP (see Sodium thiosulfate).
pea crystals, bgs 100 lbs. 4.50 - —
gran., bgs., c.l., works 100 lbs. 4.75 - 5.00
photo grade, bgs., c.l., works. 100 lbs. 4.50 - 4.75
t.c.l. works 100 lbs 5.00 - 5.05
tech., bgs., works 100 lbs. 4.50 - —
t.c.l. works 100 lbs. 4.90 - 6.90
Sodium hyposulfite crystals in bbls., 50c. higher
Iodide, USP, bots., dms lb. 2.55 - 2.62
Lactate, edible, 50%, cbys., dms., works lb. .21½ - —
60% cbys., dms., works lb. .26½ - —
tech., 50%, cbys., dms., works, b. 16¼ - —
Lauryl sulfate, dms., c.l., dlvd lb. .22 - —
l.c.l., dlvd lb. .23 - —
tanks, dlvd lb. 20 - —
Metabisulfite (see Sodium bisulfite).
Metaborate, octahydrate, gran., bgs., c.l., works ton.85.00 - —
l.c.l., ex whse ton.135.50 -140.50
Sodium metaborate, octahydrate in bbls. $24.50 per ton higher
Tetrahydrate, bbls. c.l., works. ton 199.50 - —
Metallic, bricks, 14,000-lb. lots or more, works lb. .17 - .19
less than 14,000-lb. lots, works. lb. .175 - .195
tanks, works lb. .16 - —
Metanilate, bbls. frt. alld lb. .62 - —
Metasilicate, anhyd., bgs., c.l., works 100 lbs. 5.10 - —
l.c.l., works 100 lbs. 5.45 - 7.35
dms., c.l. 100 lbs. 5.50 - —
l.c.l. 100 lbs. 5.85 - 7.75
Pentahydrate, bgs., c.l., works. 100 lbs. 4.10 - —
l.c.l., works 100 lbs. 4.45 - 6.35
dms., c.l., works 100 lbs. 4.50 - —
l.c.l., works 100 lbs. 5.10 - 5.85
Molybdate, bbls., cbys., works lb. .85 - .95
anhd., cryst., dms., works lb. .70 - —
powd., dms., works lb. .85 - .92
Monohydrate (see Sodium carbonate, monohydrated).
Naphthionate, bbls lb. .70 - —
Nitrate, crude, dom., bgs., c.l., works ton.47.00 - —
bulk, c.l., works ton.43.50 - —
Imp., 100-lb. bgs., c.l., Atl. Gulf, Pac., whse ton.51.25 - —
bulk, c.l., same basis ton.47.75 - —
Nitrite, USP, bbls., c.l., works, frt. equaled lb. .08 - —
l.c.l., same basis lb. .09½ - —
Orthosilicate, conc., dms., c.l., works 100 lbs. 6.00 - —
l.c.l., works 100 lbs. 6.35 - 6.75
hydrated, flake, bbls., c.l., works. 100 lbs. 5.25 - —
l.c.l., works 100 lbs. 7.00 - —
Oxalate, 88% bgs., works 100 lbs. 10.85 - —
Para-aminobenzoate (see sodium p-Aminobenzoate).
Para-aminosalicylate (see Sodium p-Aminosalicylate).
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald lb. .25½ - —
l.c.l., same basis lb. .28½ - .28¼
pellets, bgs., c.l., same basis lb. .25 - —
t.c.l., same basis lb. .26 - .28
powd., bgs., dms., c.l., same basis lb. .24 - —
l.c.l., same basis lb. .25½ - .32
Pentachlorophenate, 20,000 lbs. min. truckloads, ¼c. per lb. over carlot prices.
Perborate, NF, tech., bgs., c.l., works lb. .173 - —
l.c.l., works lb. .178 - —
Peroxide, dms., c.l., dlvd. E. of Miss lb. .1860 - —
l.c.l. same basis lb. .1910 - .1960
Phenolsulfonate, USP IX, gran., dms lb. .44 - .45
powd., dms lb. .47 - .48
Phosphate, dibasic, anhyd., bgs., c.l., frt. equald 100 lbs. 7.45 - —
t.c.l., works 100 lbs. 7.85 - —
USP, dried powd., bgs., dms., works lb. .19 - .20¼
monobasic, anhyd., bgs., c.l., frt. equald 100 lbs. 8.45 - —
t.c.l., frt. equald 100 lbs. 8.90 - —
duohydrate, bgs., c.l., frt. equald 100 lbs. 7.95 - —
t.c.l., frt. equald 100 lbs. 7.25 - —
tribasic, anhyd., bgs., c.l., t.l., frt. equald 100 lbs. 8.45 - —
t.c.l., frt. equald 100 lbs. 8.85 - —
cryst., bgs., c.l., t.l., frt. equald 100 lbs. 4.20 - —
t.c.l., frt. equald 100 lbs. 4.60 - —
Sodium phosphates in dms., 60c. higher than bgs.
Prussiate, yellow (see sodium ferrocyanide)
Pyrophosphate, acid, bgs., c.l., works, frt. equald 100 lbs. 10.75 - —
ferric, dms., 1,500-lb. lots, works. lb. .31 - —
smaller lots, works lb. .32 - —
tetrabasic, anhyd., bgs., c.l., works, frt. equald 100 lbs. 7.37½ - —
l.c.l., frt. equald 100 lbs. 7.77½ - —
Salicylate, USP, dms lb. .71 - .74
Sesquicarbonate, bgs., c.l., works. 100 lbs. 2.10 - —
l.c.l., dlvd., zone 1 100 lbs. 3.85 - 4.10
zone 2 100 lbs. 4.10 - 4.35
zone 3 100 lbs. 4.40 - 4.65
zone 4 100 lbs. 5.10 - 5.35

Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia. and St. Louis; (2) Ark. E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb., E. of 98° N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 96°, Kan., Neb. W of 98°; N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls, excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

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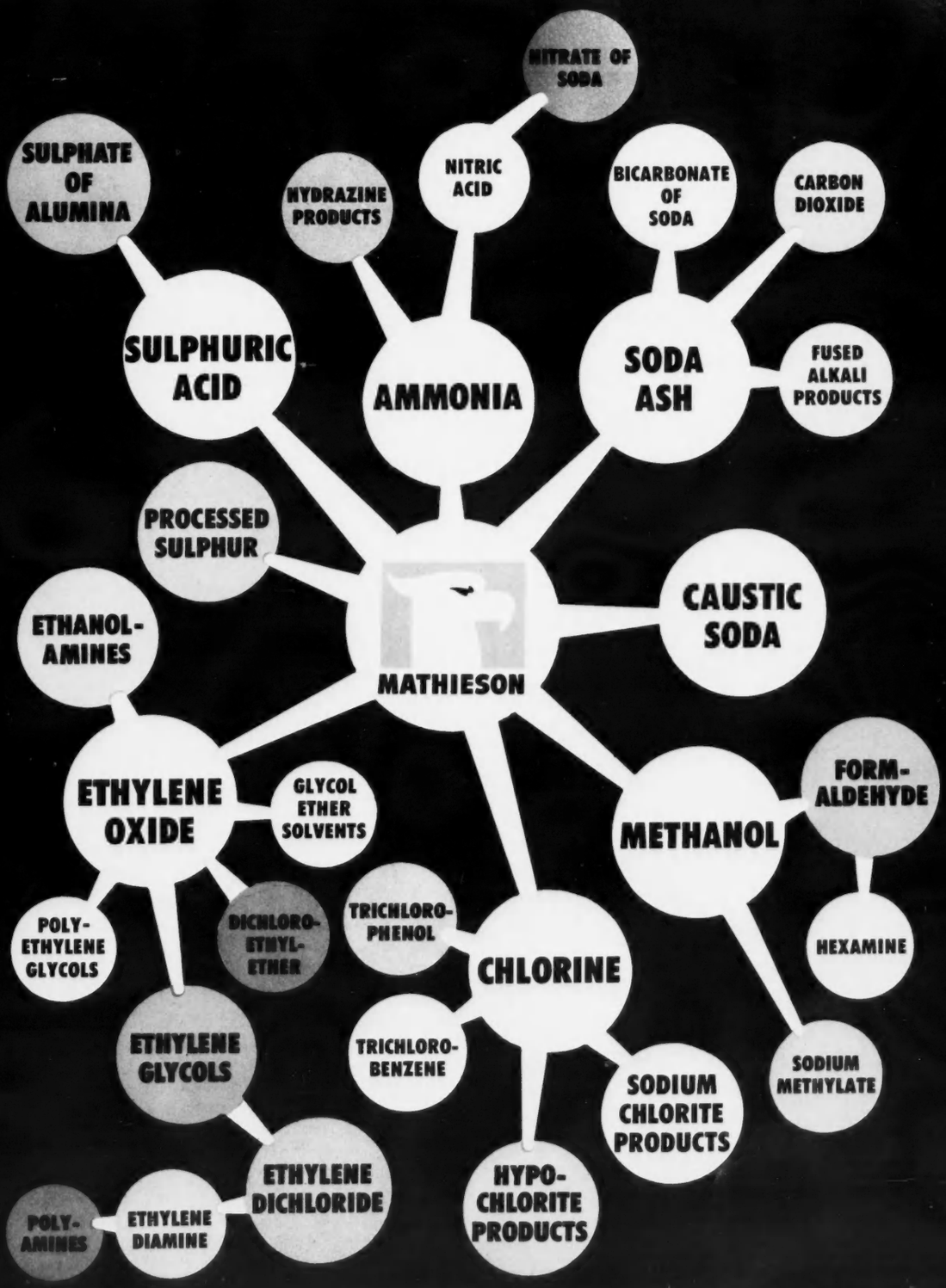
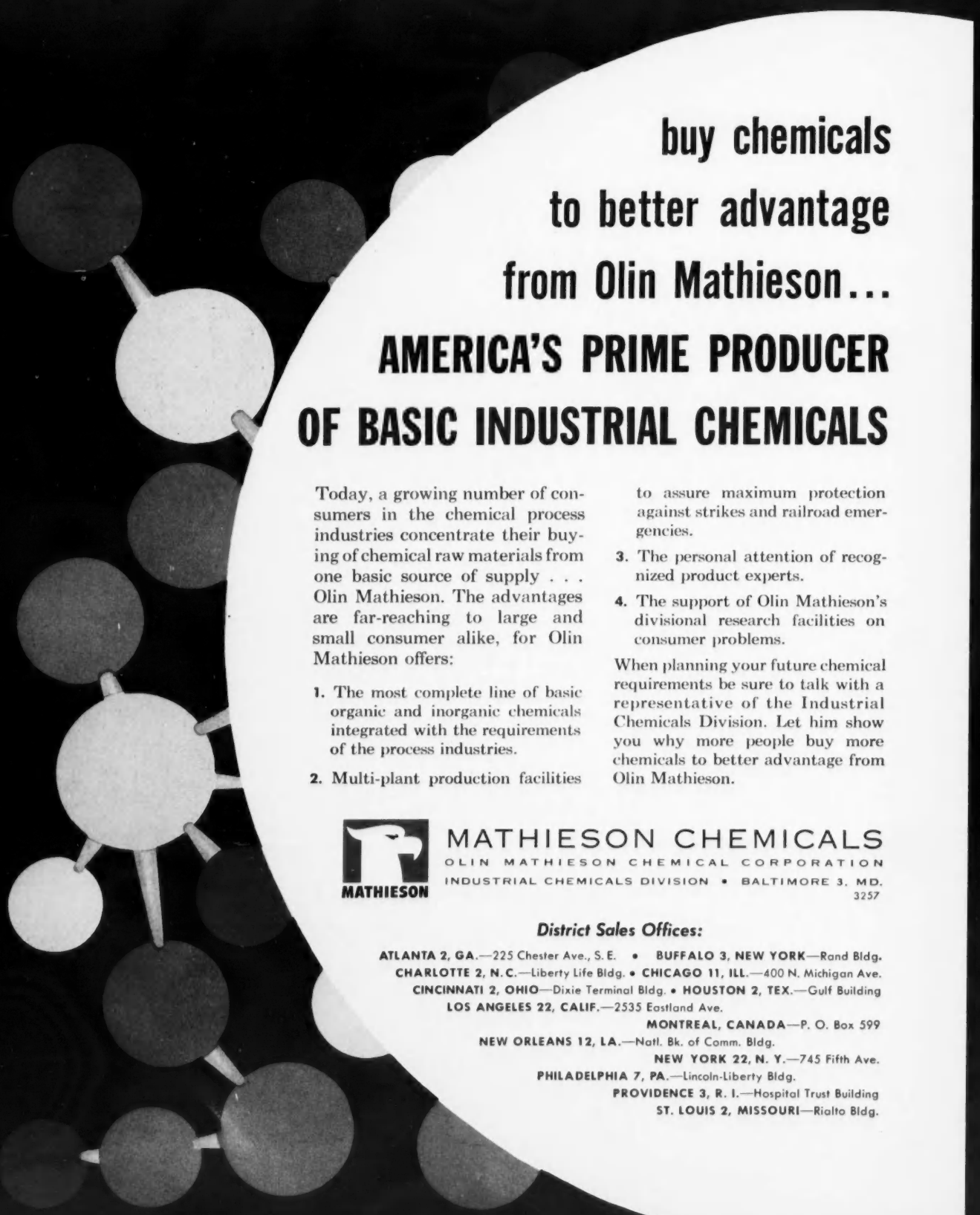

NITRATE OF SODA
SULPHATE OF ALUMINA
NITRIC ACID
HYDRAZINE PRODUCTS
BICARBONATE OF SODA
CARBON DIOXIDE
SULPHURIC ACID
AMMONIA
SODA ASH
FUSED ALKALI PRODUCTS
PROCESSED SULPHUR
CAUSTIC SODA
ETHANOL-AMINES
MATHIESON
ETHYLENE OXIDE
GLYCOL ETHER SOLVENTS
METHANOL
FORM-ALDEHYDE
POLY-ETHYLENE GLYCOLS
DICHLORO-ETHYL-ETHER
TRICHLORO-PHENOL
CHLORINE
HEXAMINE
ETHYLENE GLYCOLS
TRICHLORO-BENZENE
SODIUM METHYLATE
SODIUM CHLORITE PRODUCTS
ETHYLENE DICHLORIDE
HYPO-CHLORITE PRODUCTS
POLY-AMINES
ETHYLENE DIAMINE

CAUSTIC SODA	50% and 73% liquid; 76% solid, large and small flake, granular, ground, powdered. 8 and 10,000-gal. tank cars from Lake Charles, La. (also barges and tankers), Niagara Falls, N. Y., Saltville, Va., McIntosh, Huntsville and Anniston, Ala. Standard drums from Lake Charles, La., and Saltville, Va.
SODA ASH	58% Na_2O: light and coarse light from Saltville, Va.; dense (standard and special) and light from Lake Charles, La. 100-lb. multi-walled paper bags and bulk carloads (also barges and ocean steamers from Lake Charles).
BICARBONATE OF SODA	U.S.P. powdered and granular; miller's special; fine. 100-lb. moisture-proof paper bags from Saltville, Virginia.
CARBON DIOXIDE	Carbonic gas and dry ice. 20-lb. and 50-lb. net cylinders; 55-lb. blocks from 18 warehouses, Mathieson owned and operated. (Tank cars and tank trucks from Saltville, Va.).
FUSED ALKALI PRODUCTS	Purite: 2-lb. soda ash pigs for foundry applications; PH-Plus: ½-lb. and 2-oz. soda ash cakes for water treatment. 100-lb. bags from Saltville, Va.; Purite also in bulk carloads.
CHLORINE	Liquid. 16, 30 and 55-ton tank cars from Niagara Falls, N. Y., Huntsville and McIntosh, Ala., Saltville, Va., Arvida, Quebec. Multi-unit cars (15 one-ton units) from Niagara Falls, N. Y., and Huntsville, Ala.
HYPOCHLORITE PRODUCTS	HTH: calcium hypochlorite (70% available chlorine) in granular and tablet form for water and sewage treatment; Lo-Bax: for dairy sanitation; plus a complete line of laundry bleaches. 100-lb. drums and smaller units from Niagara Falls, N. Y.
SODIUM CHLORITE PRODUCTS	Textone: for textile processing; C2: for superbleaching of paper pulp; Technical: for water treatment and general use. 25-lb. pails and 100-lb. drums from Niagara Falls, N. Y. Also available as a 50% solution in 8,000-gal. tank car lots.
AMMONIA	Anhydrous: refrigeration grade (99.98%), commercial grade (99.5%): 26-ton tank cars from Lake Charles, La., Niagara Falls, N. Y., Morgantown, W. Va., Louisiana, Mo., and Marcus Hook, Pa. Aqua: 26° Bé. and U.S.P.,8,000-gal. tank cars, Niagara Falls.
HYDRAZINE PRODUCTS	Hydrazine (N_2H_4), its hydrate solutions, salts, and organic derivatives. Liquids: 30 (240-lb.) and 55-gal. (440-lb.) drums; hydrazine salts: 200-lb. "Leverpak" drums and 20-lb. pails from Lake Charles, La.
NITRATE OF SODA	Synthetic, prilled (not less than 99.5% sodium nitrate). 100-lb. multi-walled paper bags (palletized loading optional) and bulk cars (box or hopper) from Lake Charles, La.
NITRIC ACID	60% HNO_3. Tank cars and tank trucks from Lake Charles, La.
SULPHURIC ACID	60° Bé. (77.67% H_2SO_4); 66° Bé. (93.19% H_2SO_4); 98%, 99% and 100% H_2SO_4; oleum 20% (104.5% H_2SO_4). Tank cars from Baltimore, Md. (also tank trucks, transports, barges), Little Rock, Ark., Bossier City, La., Beaumont, Port Arthur and Pasadena, Tex., Palmerton, Pa.
SULPHATE OF ALUMINA	Activated Alum Brand—designed for use in the field of water and sewage treatment. 100-lb. paper bags from Baltimore, Md.
PROCESSED SULPHUR	Refined roll brimstone; refined flour; sublimed flowers U.S.P.; commercial flour; rubber-makers' grades: conditioned, oil-treated, wettable, etc.; granular. Barrels, paper, burlap and osnaburg bags from Houston, Texas.
ETHYLENE OXIDE	Production of surfactants, ethylene glycol, glycol ethers, acrylonitrile, acrylate esters, ethanolamines, fumigants. Tank cars and insulated returnable drums from Brandenburg, Ky.

ETHYLENE GLYCOL	Engine coolant, industrial explosives, cellophane, hydraulic fluids, resins. Tank cars, compartmented cars, tank trucks, resin-lined drums from Brandenburg, Ky.
DIETHYLENE GLYCOL	Used as solvent, humectant, dehydrant and intermediate. Tank cars, compartmented cars, tank trucks and resin-lined drums from Brandenburg, Ky.
TRIETHYLENE GLYCOL	Used in gas dehydration, as a humectant and in production of emulsifiers, lubricants and polyesters; and as an air-sanitizing agent. Tank cars, compartmented cars, tank trucks and resin-lined drums from Brandenburg, Ky.
POLYETHYLENE GLYCOLS	Poly-G 200, 300, 400, 600; humectants and production of surface-active agents, cosmetics and pharmaceuticals. Tank cars, compartmented cars, tank trucks, resin-lined drums from Brandenburg, Ky.
POLY-SOLV'S (glycol ether solvents)	Solvents for dyestuffs, oils, waxes, resins; used in alkyd baking enamels, phenolic and epoxy coatings, cellulose and vinyl lacquers; in brake fluids, dry cleaning soaps, metal and glass cleaners. Tank cars, compartmented cars, tank trucks and drums from Brandenburg, Ky.
ETHYLENE DICHLORIDE	Extractant for alkaloids, vitamins, hormones; used in fumigants, cleansing agents, herbicides; solvent for cellulose esters, fats, waxes, resins. Tank cars, compartmented cars, tank trucks and drums from Brandenburg, Ky.
DICHLOROETHYLETHER	Soil fumigant, insecticide and high temperature solvent. Tank cars, compartmented cars, tank trucks and drums from Brandenburg, Ky.
FORMALDEHYDE	Manufacture of phenolic, urea and melamine resins, pentaerythritol, hexamine, pharmaceuticals, dyes, and as a deodorant, disinfectant, preservative. Four grades available: 37% inhibited, 37% low methanol, 45% low methanol and 50% low methanol (other grades also offered). Tank cars and tank trucks from Morgantown, W. Va.
METHANOL	Antifreeze and as an intermediate in the manufacture of formaldehyde, methyl halides and esters, and methacrylate resins; an excellent solvent. Tank cars, compartmented cars, barges, tank trucks and drums from Morgantown, W. Va.
SODIUM METHYLATE	Intermediate in production of vitamins, dyestuffs and pharmaceuticals; catalyst to upgrade fats and oils. Dry form in drums and pails, and as 25% solution in methanol in drums, from Niagara Falls, N. Y.
HEXAMINE	Hexamethylenetetramine, $(CH_2)_6N_4$: convenient source of water-free formaldehyde and tertiary amines. Useful in resin manufacture. Multi-wall paper bags and fibre drums and cartons from Morgantown, W. Va.
ETHYLENE DIAMINE	Synthesis of surface active agents and chelating agents; forms resinous polymers with formaldehyde resin systems. Tank cars, tank trucks, returnable tin-lined drums from Morgantown, W. Va.
POLYAMINES	Preparation of asphalt additives, corrosion inhibitors, emulsifiers, demulsifiers and wetting agents. Two grades, both liquids, available: Polyamine 910 and Polyamine 333. Tank cars, compartmented cars, tank trucks and drums from Morgantown, W. Va.
ETHANOLAMINES	Mono-, di-, and triethanolamine. Preparation of surfactants for variety of applications and as absorbents in gas scrubbing. Tank cars, compartmented cars, tank trucks and drums from Brandenburg, Ky.
TRICHLOROBENZENE TECHNICAL	Manufacture of trichlorophenol and dye intermediates; as a heat transfer medium and in carbon cleaning and engine scavenging compounds. Tank cars and drums from Niagara Falls, N. Y.
TRICHLOROPHENOL	Bactericide and fungicide. Drums from Niagara Falls, N. Y.



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Sodium sesquisilicate, hydrated, bgs., c.l., zone 1, dlvd..ton.120.00 - —
l.c.l., works .....100 lbs. 4.95 - 5.35
dms., c.l., works.....100 lbs. 5.00 - —
l.c.l., works .....100 lbs. 5.35 - 5.75
Silicate, liq., 40° Be, 1:3.2, turbid, dms., c.l., works 100 lbs. 1.35 - —
l.c.l., works...100 lbs. 1.70 - 2.20
tanks, works....100 lbs. 1.00 - —
47° Be, turbid, 1:2.9, dms., c.l., works..100 lbs. 1.95 - —
l.c.l., dms., works. 100 lbs. 2.55 - 2.80
tanks, works.....100 lbs. 1.60 - —
52° Be, turbid, 1:2.4, dms., c.l., works...100 lbs. 2.30 - —
l.c.l., works....100 lbs. 2.65 - 3.15
tanks works....100 lbs. 1.95 - —
solid, 1:3.2, bgs., works ..ton.57.50 - —
Silicofluoride, bgs., c.l., works lb. .07 - —
l.c.l. works lb. .07 - .08
Sodium silicofluoride in dms., 4-10c higher
Stannate, dms., works, frt. alld. E. lb. .557 - .611
Sulfa drugs (see Sulfa name).
Sulfanilate, bbls., works.....lb. .22 - —
Sulfate, NF, VII, dried, powd., dms lb. .22¼ - —
tech., anhyd., bgs., c.l., dlvd., E. ton.52.00 - —
detergent grade, bgs., c.l., works ton.34.00 - —
rayon grade, bgs., c.l., works. ton.31.00 - —
USP cryst. fib. dms lb. .17½ - .18
gran. fib. dms lb. .17½ - .18
Sulfide, flake, dms., c.l., works, E., frt. equald lb. .05¼ - —
t.c.l., same basis lb. .05¾ - —
fused, bbls., c.l., works, E., frt. equald lb. .04¾ - —
t.c.l. same basis lb. .05¼ - —
Sulfite, anhyd., bgs., c.l...100 lbs. 3.00 - —
t.c.l. same basis 100 lbs. 3.50 - —
powd., bbls., c.l., works..100 lbs. 7.25 - —
t.c.l., works....100 lbs. 7.50 - —
Sulfhydrate, flake, 70-72%, dms., c.l., works lb. .06½ - —
t.c.l., works..... lb. .07 - —
liq., 40-44%, tanks, works, 100% basis ton.110.00 - —
Sulfocyanide, CP, (see Sodium thiocyanate).
Tetraborate (see Borax).
Tetrasulfide, liq., 40%, dms., c.l., works. lb. .03½ - —
t.c.l., works lb. .04 - —
Thiocyanate, CP, dms..... lb. .55 - .65
tech., anhyd., 1 ton lots or more, works lb. .317 - —
less than ton lot, works lb. .337 - —
Thiosulfate, NF, cryst., bbls lb. .12½ - —
tech. (see Sodium hyposulphite).
Titanate, cns., c.l., works.....lb. .10½ - —
5-ton lots, works .....lb. .10¾ - —
1-ton or less, works.....lb. .11 - —
Toluene sulfonate, dms., c.l., or t.l. lb. .38 - —
t.c.l. lb. .42 - —
Trichloracetate, 90%, 100-lb. dms., c.l., frt. alld. E lb. .37½ - —
t.c.l., frt. adjusted, E .. lb. .39½ - —
50 lb. dms., c.l., frt. alld. E. lb. .38 - —
t.c.l., frt. adjusted E .. lb. .40 - —
10-lb. cns., c.l., frt. alld. E. lb. .44 - —
t.c.l., frt. adjusted E.....lb. .46 - —
Prices on Sodium trichloroacetate W. of the Rockies are 1¾c. per pound higher.
Tripolyphosphate, bgs., c.l., works, frt. equald...100 lbs. 7.72½ - —
t.c.l. same basis .....100 lbs. 8.12½ - —
Trisilicate, powd., 1:3.2, bgs., c.l., works..100 lbs. 8.65 - —
t.c.l., works .....100 lbs. 9.40 - 9.80
dms., c.l., works.....100 lbs. 9.05 - —
t.c.l., works .....100 lbs. 9.80 - 10.20
Tungstate, tech., kgs., dlvd. E lb. 1.80 - —
Sodium ammonium phosphate, bbls., works, frt. equald lb. .23 - —
Sodium-carboxymethyl cellulose (see CMC).
Sodium cinchophen (see Cinchophen-sodium).
Sodium-formaldehyde sulfoxylate, dms., c.l., dlvd lb. .21 - —
t.c.l., same basis lb. .21½ - —
Sodium-zirconyl sulfate, fiber dms., 1,000-lb. lots or more works lb. .28 - —
smaller lots, same basis lb .30 - —
Solvent naphtha, coaltar, high flash, tanks, works gal. .31 - .35
petroleum (see Petroleum solvent, partial aromatic)
Sorbitan monostearate, fib. dms., 20,000-lb. lots, works .... lb. .32 - —
10,000 to 20,000-lb. lots, works, lb. .34 - —
smaller lots, works lb. .37 - .39
Tristearate, fib. dms., 20,000-lb. lots, works lb. .33 - —
10,000 to 20,000-lb. lots, works. lb. .35 - —
smaller lots, works lb .38 - .40
Sorbitol, cryst., resin grade, pellets, dms., c.l., works. lb. .23 - —
1 to 5-ton lots, works .... lb. .25 - .26
powd., dms., 1- to 5-ton lots, works. lb. .38 - .39
soln., comL, aqueous, dms., c.l., works lb. .24¼ - —
ton lots, works lb. .25 - —
smaller lots, works....lb. .25¼ - —
tanks, works lb. .23¼ - —
reg., 70%, aqueous, dms., c.l., works..lb. .16 - —
ton lots works lb. .16¾ - —
smaller lots, works lb. .17 - —
tanks, works lb. .15 - —
Soybean meal, 44%, bulk, Decatur ton.58.00 - —
protein, chemically isolated, bgs., c.l., works lb. .23 - —
mechanically refd., bgs., c.l., works lb. .06 - —
Sparteine sulfate, cns..... oz. .80 - .85
Spearmint leaves, dom., bls lb. .75 - —
Spruce extract, liq., reg. tanks, works lb. .01¾ - —
powd. super. bgs., c.l., works. lb. .05¼ - —
t.c.l. works ..... lb. .05½ - —
Squill, white, bls .....lb. .17 - .19
powd., bbls., bxs..... lb. .18 - .21
St. John's bread, edible, bls lb. .13 - .15
Stannic chloride, anhyd., dms., works lb. .771 - .781
Oxide, dms., dlvd. E ..... lb. 1.00 1.01
Stannous chloride, anhyd., dms., works lb. .830 - 1.049
Hydrous, cryst., dms., works. lb. .78½ - .79½
Sulfate, dms., works..... lb. .947 - .967
Starch, corn, pearl, paper bgs., c.l. 100 lbs. 7.24 - —
l.c.l. .....100 lbs. 7.39 - —
powd., paper bgs., c.l...100 lbs. 7.36 - —
l.c.l. .....100 lbs. 7.51 - —
Prices for corn starch in cotton bags, 25c. per 100 lbs. higher.
Potato, dom., Idaho, bgs., c.l., works lb. .06¾ - —
Maine, bgs., c.l., works lb. .07 Nom.
l.c.l., spot..... lb. .09 - .09½
Rice, bgs., l.c.l. ..... lb. .15½ - .16
Wheat bgs lb. .0755- .0780
Star root (see Helonias root).
Stargrass Root (see Aletris root).
Stavesacre seed, bgs..... lb. .60 .61

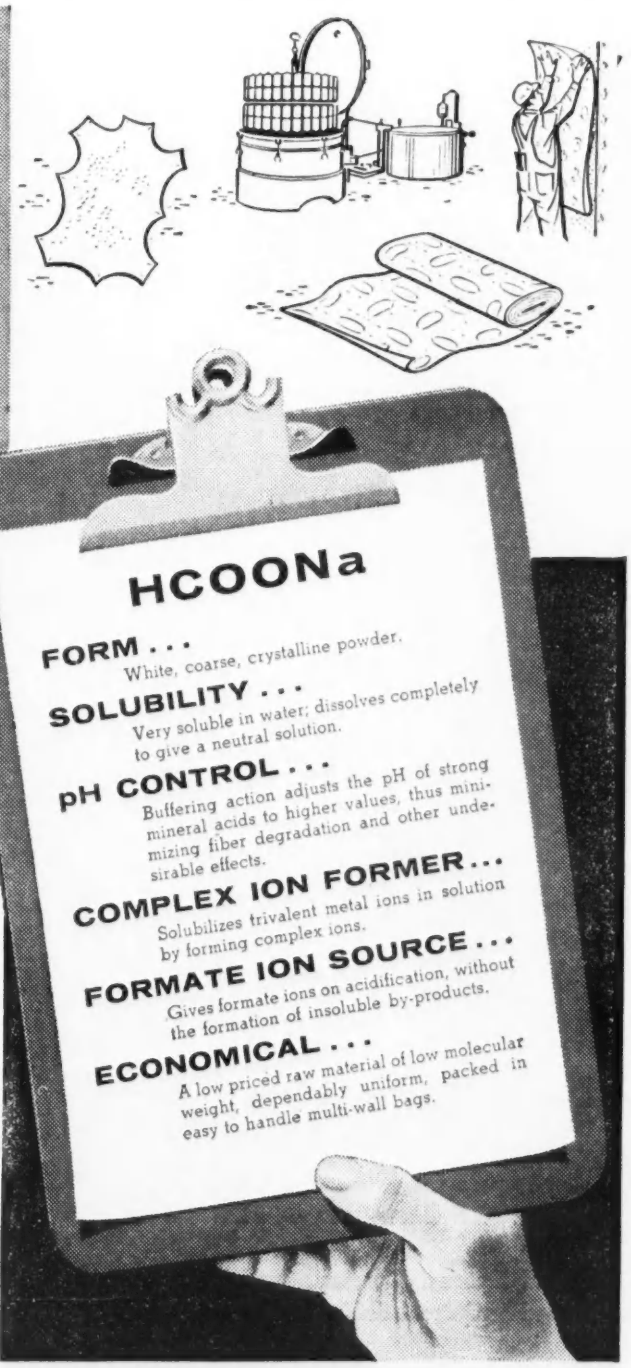
Stearine oleo (see Oleostearine.)
Stomach substance, not USP, 100-lb. fib. dms. lb. 2.80 - —
Stramonium leaves, bgs ..... lb. .18 - .20
Streptomycin hydrochloride, bulk, gram. .07 - .09
Strontium bromide, NF, cns., dms. lb. .75 - .84
Carbonate, pure, dms., 5-ton lots or more, works lb. .35 - —
1-ton lots, works ..... lb. .37 - —
tech., dms., works ..... lb. .19 - —
Chromate, bbls., works ..... lb. .46 - —
Iodide, jars, 25-lb. lots..... lb. 3.42 - —
Nitrate, bbls., c.l., works. 100 lbs.11.00 - —
l.c.l., works ..... 100 lbs.12.00 - —
Salicylate, NF, dms ..... lb. 1.75 - —
Sulfate, air floated, 90%, 325 mesh, bgs., works ton.56.70 -66.15
Strophanthin, K, bots ..... oz.25.00 -25.50
G, (see Ouabaine, USP).
Strophanthus seed, Kombi, biologically tested, bgs lb. 3.50 - 3.75
Strychnine, NF, powd. cns., 10-oz. lots oz. 1.10 - —
Phosphate, NF cns. 100-oz. lots.oz. 1.14 - —
Sulfate, USP, cryst., cns., 25-oz. lots oz. .96 - —
powd., 100-oz. lots.....oz. .85 - —
Styrax, USP, cs ..... lb. .78 - .80
Styrene monomer, polymer grade, 99½%, dms., c.l., frt. equald. lb. .22¼ - —
l.c.l., same basis ..... lb. .23¼ - —
tanks, same basis ..... lb. .21 - —
synthetic rubber grade, 99%, dms., c.l., frt. equald lb. .19¼ - —
l.c.l., same basis.... lb. .20¼ - —
tanks, same basis ..... lb. .18 - —
Styrolyl acetate, bots ..... lb. 1.45 - 1.70
Sucrose, crude, bgs., dlvd., N. Y. lb. .0550- —
refd., white, bgs., refy., E....lb. .0855- —

Sucrose, octa-acetate, denaturing grade, 100-200-lbs., bgs., l.c.l., works..lb. .76 - —
Sugar, raw (see Sucrose, crude).
Sulfabenzamide, dms.....lb. 4.00 - 4.50
Sodium, dms.....lb. 4.10 - 4.60
Sulfacetamide, fib. dms.....lb. 4.00 - 4.20
Sodium fib. dms .....lb. 5.00 - 5.20
Sulfadiazine, USP, microcrystals, dms..lb.10.60 -11.10
powd., dms.....lb.10.25 -10.75
Sulfadiazine-sodium, USP, dms lb.11.25 -11.75
microcrystals, dms. .....lb.11.60 -12.10
Sulfaguanidine, USP dms..... lb. 2.50 - —
Sulfamerazine, USP, microcrystals, lb.10.63 -11.15
Sulfamerazine-sodium, USP, dms., lb.11.25 -11.75
Sulfamethazine, microcrystals, dms., lb. 8.90 - 9.40
powd., dms..... lb. 8.50 - 9.00
Sulfanilamide, USP, 30-80 mesh., dms lb. 1.40 - 1.60
microcrystals, dms. ..... lb. 1.70 - 1.90
powd. dms ..... lb. 1.50 - 1.30
Quinoxaline, veterinary, dms lb. 6.40 - 6.75
Sulfapyridine, NF powd., bots, tins, lb. 7.00 - 7.50
Sulfapyridine-sodium, monohydrate, dms lb. 7.50 - 8.00
Sulfathiazole, USP, microcrystals, dms lb. 2.85 - 3.00
powd., dms ..... lb. 2.50 - 2.65
Sulfathiazole-sodium, USP, dms lb. 2.75 - 2.90
Sulfur, coml., flour, bgs., mines. 100 lbs. 2.30 - —
bbls., mines ..... 100 lbs. 3.05 - —
lump, bgs., mines.....100 lbs. 2.20 - —
bbls., mines .....100 lbs. 2.65 - —

Sodium Sesquisilicate—Sulfur, Dioxide

Sulfur, crude, bulk, c.l., mines, contract long-ton.26.50 - —
export, f.o.b. vessels, Gulf ports long-ton.31.00 -33.00
domestic and Canada, f.o.b. vessel Gulf port long-ton.28.00 -29.50
refd., flowers, USP, bgs., mines. 100 lbs. 4.00 - —
bbls. 100 lbs. 5.25 - —
flour, light, bgs., mines 100 lbs. 3.80 - —
bbls., mines 100 lbs. 4.50 - —
lump, bgs., mines .....100 lbs. 3.30 - —
rolls, bgs., mines.....100 lbs. 3.85 - —
bbls., mines .... 100 lbs. 4.40 - —
salt block, bgs., mines 100 lbs. 3.50 - —
virgin block, bbls., mines 100 lbs. 3.45 - —
rubbermakers, coml., reg., bgs., mines 100 lbs. 2.40 - —
bbls., mines 100 lbs. 3.55 - —
98-100% passing through 325 mesh, bgs., mines 100 lbs 4.50 - —
bbls., mines .... 100 lbs 3.65 - —
refd., bgs., mines .... 100 lbs 3.25 - —
bbls mines .... 100 lbs 4.30 - —
treated, 2.5% mineral oil, bgs., mines 100 lbs 2.70 - —
bbls mines 100 lbs 3.85 - —
10% pine tar, bgs., mines, 100 lbs 3.90 - —
Dichloride, dms., c.l., works, frt. equald lb. .03½ - —
t.c.l. same basis lb. .04½ - —
tanks, same basis ..... lb. .03½ - —
Dioxide, liq., coml., cyls., works, frt. equald lb. .10 - .12
multi unit cars, works lb. .0335- —
tanks, works ... lb. .045 - —
refrigeration, cyls., dlvd lb. .27 - —

Can these features of Heyden **SODIUM FORMATE** help your process?


HCOONa
FORM . . .
White, coarse, crystalline powder.
SOLUBILITY . . .
Very soluble in water; dissolves completely to give a neutral solution.
pH CONTROL . . .
Buffering action adjusts the pH of strong mineral acids to higher values, thus minimizing fiber degradation and other undesirable effects.
COMPLEX ION FORMER . . .
Solubilizes trivalent metal ions in solution by forming complex ions.
FORMATE ION SOURCE . . .
Gives formate ions on acidification, without the formation of insoluble by-products.
ECONOMICAL . . .
A low priced raw material of low molecular weight, dependably uniform, packed in easy to handle multi-wall bags.

Sodium Formate finds widespread use in the chrome tanning of leather, water-proofing of wallpaper, dyeing of carbonized wool and other materials, acidizing of oil wells, nickel plating, blueprint developers, and as an intermediate and dehydrating catalyst in the synthesis of organic chemicals.

Heyden FORMIC ACID

A uniform product of high quality used in the dyeing and finishing of textiles, the tanning and dyeing of leather, for coagulating rubber, and as a raw material for the manufacture of drugs, odorants, fumigants, catalysts, plasticizers, and water-proofing compounds. Shipped in 525 lb. stainless steel drums and 125 lb. carboys. Technical bulletin available.

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Sulfur Monochloride—Tri-isopropanolamine

Sulfur monochloride, 55-gal., dms., c.l., frt. equalled lb. .03¾- —
l.c.l., same basis lb. .04½- —
tanks, same basis lb. .03½- —
Sumac leaves, 28%, bgs., ex-dock, ton.132.00 - —
ground, bgs., ex-dock ton.127.00 - —
Superphosphate, run-of-pile, under 22% a.p.a. pulv., bulk, c.l., Balto. unit-ton. .83 - .91
Carteret, N. J unit-ton. .88 - .91
triple, 48% or more, a.p.a., pulv., bulk, c.l., East Tampa, Fla. unit-ton. .98 - —

T

2,4,5-T, dms., c.l., works, frt. equald. lb. 1.25 - —
l.c.l., same basis lb. 1.30 - 2.30
Isopropyl ester, dms., c.l., works, frt. equald lb. 1.30 - —
l.c.l., works lb. 1.35 - —
Talc, dom., ord., Calif., grd., bgs., c.l., works ton.32.00 -38.50
Vermont off color grd., bgs., c.l., works ton.18.40 - —
l.c.l., works ton.36.00 - —
fibrous, New York, grd., bgs., c.l., works ton.27.00 -32.00
l.c.l., works ton.30.00 -35.00
99.5%, 325 mesh, bgs., c.l., works ton.30.00 - —
l.c.l., works ton.33.00 - —
99.95% micronized, bgs., works ton.37.00 - —
Imp., Canadian, grd., bgs., c.l., mines ton.20.00 95.00
Tallow, edible, tanks, dlvd. lb. .09½- —
inedible, extra, tanks, dlvd lb. .07¾- —
fancy, bleachable, tanks, dlvd. lb. .07⅞- —
guaranteed, dms., f.a.s. lb. .0915- .0925
No. 1, tanks, dlvd. lb. .07⅜- —
special tanks, dlvd lb. .07½- —
sulfonated, 25%, bbls., l.c.l. lb. .08 - .08½
50%, bbls., l.c.l. lb. .09¼- .10
Tankage, animal, feeding, 9-11% ammonia, bulk unit-ton. 5.00 - —
Chicago unit-ton. 5.50 - —
Tapioca flour, Brazilian, bgs., ex whse lb. .07¾- .08¼
Siamese, top grade, bgs., ex whse lb. .07½- .07¾
Tar acid oil, 15-18%, dms., c.l., frt. equald gal. .47 - .49
l.c.l., same basis gal. .50 - .51
tanks, same basis gal. .39 - —
25-28%, dms., c.l., same basis. gal. .54 - .56
l.c.l., same basis gal. .57 - .58
tanks, same basis gal. .46 - —
97-53%, dms., c.l. same basis. gal. .70 - .72½
l.c.l., same basis gal. .73½- .74½
tanks, same basis gal. .62½- —
Coal (see Coaltar).
Tartar, emetic (see Antimony-potassium tartrate).
Terpine glycol ether, dms., c.l., works lb. .23½- —
l.c.l., works lb. .25½- —
tanks, works lb. .22 - —
Hydrate, NF, cryst., powd., fib. dms. lb. .67½- .74
a-Terpineol, dms., l.c.l., dlvd E. lb. .20¾- —
extra, dms lb. .41 - .60
prime, dms lb. .30 - .45
Terpinyl acetate, extra, cns., dms. lb. .60 - .75
prime, dms lb. .55 - .70
Propionate, dms. lb. 1.75 - 2.00
Terra alba, (see Gypsum).
Testosterone, USP, 100-gm. lots, bots. gram. .70 - —
Propionate, USP, 100-gm. lots, bots gram. .68 - —
Tetrachloroethane, dms., works lb. .14½- —
Tetrachloroethylene, tech. (see Perchloroethylene).
USP, 55 gal. dms., works lb. .20½- .21½
smaller dms., works lb. .23½- .25
Tetraethyl orthosilicate, dms., c.l., dlvd. E lb. .61½- —
l.c.l., dlvd. E lb. .62½- —
Pyrophosphate, 40%, cns., dms., frt. equald lb. .69 - —
Tetraethylenepentamine, dms., c.l., dlvd. E lb. .48½- —
l.c.l., dlvd. E. lb. .49½- —
tanks, dlvd. E lb. .47 - —
Tetrapotassium phosphate (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium metal, dlvd lb.12.50 -15.00
Sulfate, 99%, bots., dlvd lb. 8.00 -13.00
Theobromine, NF, fib. dms lb. 4.00 - —
And sodium acetate, USP, fib. dms lb. 4.20 - —
Sodio-Salicylate, NF, fib. dms lb. 3.50 - —
Theophylline, anyhd. or USP, 100-lb. dms lb. 3.65 - —
Thiamine hydrochloride, USP, regular or ampul-type, fib. dms. kilo.80.00 - —
Mononitrate, USP, fib. dms. kilo.80.00 - —
Thiocarbanilide, dms., ton lots lb. .72 - —
less tons lots lb. .74 - —
Thiodiphenylamine (see Phenothiazine).
Thiourea, tech., dms., c.l., works, lb. .36 - —
l.c.l., works lb. .38 - —
Thorium nitrate, purif., fib. dms., 100-lb. lots or more, works lb. 3.50 - —
dl-Threonine, bots., 1-kilo lots kilo.450.00 -500.00
Thyme leaves, French, bgs. lb. .20 - .22
Spanish, bgs lb. .09 - —
Thymol, fib. dms lb. 2.50 - 2.65
Iodide, NF, dms lb. 7.30 - —
Timbo root (see Cube root).
Tin chloride (see Stannous chloride, anhydrous).
crystals (see Stannous chloride, hydrous).
Metal (straits) lb. .95½- —
Oxide (see Stannic oxide).
Sulfate (see Stannous sulfate).
Tetrachloride anhyd. (see Stannic chloride, anhydrous)
Titanium dioxide anatase, chalk resistant, bgs., c.l., dlvd lb. .22½- —
l.c.l., dlvd. lb. .23½- —
ceramic, bgs., c.l., dlvd lb. .22½- —
l.c.l., dlvd. lb. .23½- —
reg., bgs., c.l., dlvd lb. .22½- —
l.c.l., dlvd lb. .23½- —
metallurgical, nat., gran., bgs., c.l., f.o.b. Jacksonville, Fla. ton.120.00 - —
Niagara Falls, N. Y., c.l. ton.137.50 - —
5-ton lots ton.142.50 - —
ton lots, c.l. ton.147.50 - —
rutile, nonchalking, bgs., c.l., dlvd. E lb. .24½- —
l.c.l., dlvd. E lb. .25½- —
Milled titanium dioxide $7.50 per ton higher.
Hydride, cns., works lb. 7.95 - 9.00
Pigment, calcium-rutile base, bgs., c.l., dlvd lb. .08⅜- —
l.c.l., dlvd lb. .08⅞- —
Tetrachloride, tech., dms., c.l., works lb. .40¾- —
l.c.l., works lb. .43¾- —
tanks, works lb. .39¾- —
dl-a-Tocopherol, bots. kilo.149.65 - —
Acetate, bots kilo.136.00 - —
o-Tolidine base, dist., kgs lb. 1.30 - —
Tolu balsam, cns. lb. 4.25 - 4.50
Toluene (see Toluol).
p-Toluenesulfonamide, flake, dms., frt. alld lb. .64 - .66
powd., dms., works lb. .70 - —
solid, dms., frt. alld lb. .61 - —
m-Toluidine, dms., c.l., works, frt. alld lb. .79 - —
l.c.l., same basis lb. .80 - —
tanks, same basis lb. .78 - —
o-Toluidine, dms., c.l., works, frt. alld lb. .23 - —
l.c.l., same basis lb. .24 - —
tanks, same basis lb. .22 - —
p-Toluidine, flake, dms., frt. alld lb. .64 - —
solid, dms., frt. alld lb. .60 - .61
Toluol, coaltar, indust. or nitration, tanks, works:—
Bethlehem, Pa. gal. .34 - —
Birmingham dist. gal. .32 - —
Chicago dist. gal. .35 - —
Cleveland dist. gal. .32 - —
Geneva, Utah gal. .26 - —
Johnstown, Pa. gal. .32 - —
Lackawanna, N. Y. gal. .35 - —
Lone Star, Tex. gal. .33 - —
Lorain, Ohio gal. .32 - —
Middletown, Ohio gal. .33½- —
Minnequa, Colo. gal. .32 - —
Philadelphia district gal. .34 - —
Pittsburgh dist. gal. .32 - —
Sparrow's Point, Md gal. .34 - —
Terre Haute, Ind gal. .35 - —
Youngstown, Ohio gal. .32 - —
petroleum, indust., 2° tanks, works:—Albany, N. Y. gal. .35 - —
Bayonne, N. J. gal. .34 - —
Baytown, Tex. gal. .33 - —
Chicago, Ill. gal. .38 - —
Detroit, Mich gal. .35 - —
Houston, Tex. gal. .33 - —
Philadelphia, Pa. gal. .34 - —
Providence R. I. gal. .35 - —
Wood River, Ill. gal. .25 - —
2-4 Tolylenediamine, cryst., fib. dms., frt. alld lb. .94 - —
powd., fib. dms., same basis lb. 1.00 - —
Tonka beans, Angostura, cks lb. 1.65 - 1.80
Brazilian, Surinam, cs lb. 1.00 - 1.25
Totaquine, 100-oz. lots, cns oz. .42 - —
Toxaphene, dms., c.l., t.l., works. lb. .20 - —
l.c.l., l.t.l., works lb. .26 —
Triacetin, dms., c.l., dlvd. E. of Rockies lb. .39 - —
l.c.l., same basis lb. .40 - —
tanks, same basis lb. .37 - —
Tributyl citrate, tech., non-ret. dms., c.l., frt. alld. E. of Denver lb. .42 - —
l.c.l., frt. alld. E. of Denver, lb. .43 - —
tanks, frt. alld. E. of Denver, lb. .40 - —
Phosphate, dms., c.l., works lb. .52 - —
l.c.l., same basis lb. .53 - —
tanks, same basis lb. .50 - —
Tributylamine, cms., c.l., works lb. .67 - —
l.c.l., same basis lb. .68 - —
tanks, same basis lb. .65 - —
Trichlorobenzene, dms., c.l., works, frt. alld. E lb. .14½- —
l.c.l., frt. alld. E. lb. .15½- —
tanks, frt. alld. E. lb. .13 - —
Prices in the West 1¾c. higher.
Trichloroethylene, dms., c.l., or t.l., works, frt. equald lb. .11¼- —
l.c.l., dlvd. E lb. .13½- —
tanks, works, frt. equald lb. .10¼- —
Trichloroethane, dms., c.l., works. lb. .13 - —
l.c.l., works lb. .13½- —
tanks, works lb. .11½- —
Tricholine citrate, 65% soln., ret. cbys., works, frt. adjusted lb. 1.40 - 1.45
Tricresyl phosphate, coaltar, dms., c.l., dlvd lb. .35 - —
l.c.l., dlvd. lb. .36 - —
tanks, dlvd. lb. .33 - —
petroleum, dms., c.l., dlvd lb. .35 - —
l.c.l., dlvd. lb. .36 - —
tanks, dlvd. lb. .33 - —
Triethanolamine, dms., c.l., dlvd. E lb. .24 - —
l.c.l., same basis lb. .25 - —
tanks, same basis lb. .22 - —
Triethylamine, dms., c.l., works, dlvd. E lb. .47 - —
l.c.l., same basis lb. .48 - —
tanks, same basis lb. .45 - —
Triethyl citrate, refd., tech., non-ret. dms., c.l., frt. alld. E. of Denver lb. .45¾- —
l.c.l., frt. alld. E. of Denver, lb. .46¾- —
tanks, frt. alld. E. of Denver... lb. .43¾- —
Phosphate, dms., c.l., works lb. .38 - —
l.c.l., same basis lb. .39 - —
tanks, same basis lb. .37 - —
Triethylene glycol, dms., c.l., dlvd. E. lb. .20½- —
l.c.l., same basis lb. .21½- —
tanks, same basis lb. .18½- —
Triethylenetetramine, dms., c.l., dlvd. E lb. .48½- —
l.c.l., dlvd. E lb. .49½- —
tanks, dlvd. E lb. .47 - —
Tri-isopropanolamine, dms., c.l., dlvd. E lb. .22¾- —
l.c.l., dlvd. E lb. .23¾- —
tanks, dlvd. E lb. .20¼- —

New Plant now in production taps natural source of sodium sulfate

West End Chemical Company now is producing Salt Cake and Anhydrous Sodium Sulfate at the rate of approximately 50,000 tons annually. These new products maintain the *premium quality* which has characterized West End Soda Ash and Borax for over 30 years. We proudly add Salt Cake and Anhydrous Sodium Sulfate to the list of industrial chemicals carrying the well-known West End brand.

WEST END CHEMICAL COMPANY
SODA ASH • BORAX • SODIUM SULFATE
SALT CAKE • HYDRATED LIME

West End will be pleased to submit samples, prices and freight schedules for your evaluation upon receipt of your inquiry. We request that you include any applicable specifications governing your requirements for these products.

West End Chemical Co.

Executive Offices: Nineteen Fifty-Six Webster Bldg., Oakland 12, California • Plant: Westend, California

Trimethylamine, 25-30% soln., dms., c.l., works, frt. equald., 100% basis lb. .42 - —
l.c.l., works, frt. equald, 100% basis lb. .42½- —
tanks, works, frt. equald, 100% basis lb. .33 - —
Trioxane, pure, dms., c.l., t.l., dlvd. E lb. .50 - —
l.c.l., dms., dlvd. E lb. .51½- —
Tripentaerthyritol, bgs., l.c.l., works. lb. .38 - —
Triphenyl phosphate, bbls., c.l., frt. equald lb. .40 - —
l.c.l., frt. equald lb. .41 - —
Triphenylguanidine, bbls., works lb. .90 - —
Tripropylene glycol, dms., c.l., frt. alld E lb. .20½- —
l.c.l., frt. alld. E lb. .21½- —
Prices 1c. per lb. higher in West.
Trisodium fluoroacetate (see Sodium fluoroacetate, tribasic).
Phosphate (see Sodium phosphate tribasic).
Trypsin, pharmaceutical, 1:75, dms., works lb. 6.25 - —
dl-Tryptophane, fib. ctns., works. kilo.165.00 - —
Tungsten metal, powd., 98.8%, dms., dlvd. lb. 4.35 - 4.40
Turpentine, gum (see Protective Coatings market, Naval Stores).
Tyrothricin, USP, bots. gram. .75 - .85

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Urea, 46% N, indust., bgs., c.l., t.l., dlvd. E. ton.120.00 - —
l.c.l., dlvd. E, ex whse. ton.140.00 - —
45% N, agricultural, bgs., c.l., (30 tons), dlvd. E. ton.105.00 - —
Urea-ammonia liquor, A and B grades N basis, tankcars, Belle, W. Va. ton.126.00 - —
C grade, tankcars, same basis, ton.124.50 - —
37 grade, tankcars, same basis, ton.153.00 - —
Urethane, USP, dms. lb. 1.50 - —
Uva ursi leaves, bls. lb. .12 - .14

V

Valerian root, Belgian, bgs. lb. .38 - .40
dl-Valine, dms., works lb.21.00 - 27.50
Valonia beards, 40-42% tannin, bgs., exdock ton.73.00 - —
cups, 28-30% tannin, bgs., exdock ton.50.00 - —
extract, powd., 63% tannin, bgs., ex-dock, duty extra lb. .07¾- —
Vanadium pentoxide tech., dms., works lb. 1.28 - 1.33
Vanilla beans, Bourbon, tins lb. 6.50 - —
Mexican, cuts, tins lb. 7.25 Nom.
whole, tins lb. 7.50 - —
Tahiti, cs. lb. 6.00 Nom.
Vanillin, ex eugenol, tins, 25-lb. lots. lb. 6.50 - 6.75
smaller lots lb. 6.90 - 7.25
ex lignin, dms., 25-lb. lots lb. 3.00 - —
smaller lots lb. 3.05 - 3.15
Vinyl acetate monomer, 55-gal. dms., c.l., dlvd. E lb. .18½- —
l.c.l., dlvd. E lb. .19½- —
tankcars, dlvd. E lb. .16½- —
tanktrucks, dlvd. E lb. .17½- —
n-Butyl ether, tech., dms., c.l., works lb. .28 - —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Chloride monomer, tanks, frt. equald lb. .10½- —
Ether, USP, anesthesia, bots., 50 c.c., hospitals, bot. 1.12 - —
75 c.s. bot. 1.56 - —
Ethyl ether, tech., dms., c.l., works. lb. .26 - —
l.c.l., works lb. .28 - —
tanks, works lb. .25 - —
Isobutyl ether, tech., dms., c.l., works lb. .28 - —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Methyl ether, cyls., works lb. .23 - —
tanks, works lb. .20 - —

Cylinders are sold outright, or if shipped against deposit, a free period of 60 days is allowed; and if empties are returned prepaid and in good condition within that period, full refund is made.

Trichloride (see Trichloroethane).

5-Vinylpyridine, dms., works lb. 1.40 - 1.50
Vinyltoluene, dms., c.l., works. lb. .20¼- —
l.c.l., works lb. .21¼- —
tanks, works lb. .19 - —
Viosterol, in alcohol, 1,000,000 D units per gram, bots., lots of 10 billion USP units, 1,000,000 units. .025 - —
lots of 1 billion USP units, 1,000,000 units. .03 - —
lots of less than 1 billion USP units, 1,000,000 units. .035 - —
in nat., vegetable oil, 400,000 to 1,000,000 D units per gram, bots., lots of 10 billion USP units, 1,000,000 units. .02 - .04¾
lots of 1 billion USP units, 1,000,000 units. .025 - .05¼
lots of less than 1 billion USP units, 1,000,000 units. .03 - .05¾
Vitamin A acetate, syn., crystalline, beads 500,000 A units per gram gram. .07¼- —
dry, 500,000 units per gram kilo lots kilo.67.50 - —
325,000 units per gram, same basis kilo.43.88 - —
250,000 units per gram, same basis kilo.33.75 - —

Dry vitamin A acetate in less than kilo lots, $2.50 per kilo higher in all potencies.

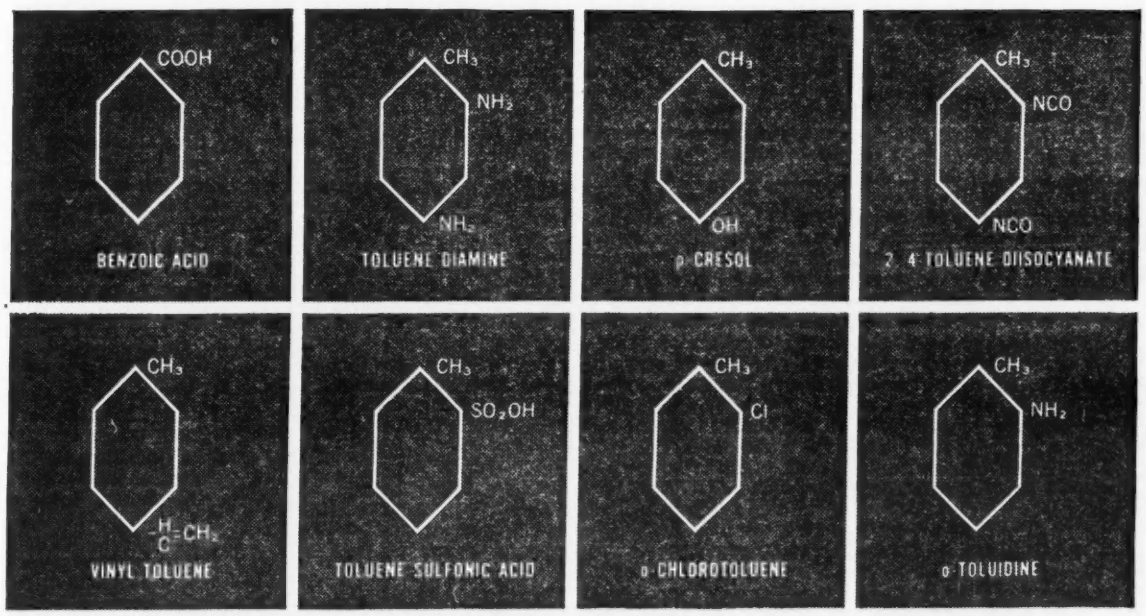
liq., in oil, 1,000,000 A units per gram 1,000,000 units. .10 - —
Palmitate, liq., 1,000,000-1,800,000 A units per gram 1,000,000 units. .10 - —
in oil, 1,000,000 A units per gram 1,000,000 units. .10 - —
B, (see Thiamine hydrochloride).
B_2, (see Riboflavin).
B, complex, natural (see Rice bran concentrate and Yeast).
B_{12}, crystalline, 1-gram or 5-gram vials gram.245.00 - —
oral grade solids, in containers of 1 and 5 grams of B_{12} activity gram.185.00 - —
C (see Acid, ascorbic).
D (see Oils, cod liver and fish-liver Calciferol and Viosterol).
D_2, dry, 850,000 units per gram, kilo lots kilo.42.50 - —
less than kilo lots kilo.45.00 - —
E (see a-Tocopherol and Oil, wheat germ).
G (see Riboflavin).
H (see Biotin).
K, Active (see Menadione).
K_1, 25 gram bots gram 4.50 - —
Violet methyl toner (see Blue methylviolet toner
V.M.&P. naphtha (see Petroleum naphtha).

W

Wahoo root, bark, bls. lb. 2.25 - —
Warfarin, 0.5%, dms., 50-lb. lots, dlvd lb. 1.93 - —
25-49-lb. lots, N. Y. or Chicago. lb. 2.05 - —
5-24-lb. lots, cns., N. Y. or Chicago lb. 2.15 - —
Wattle bark, fair average, African, bales, ex dock ton.99.00 - —
merchantable, bales, ex dock.ton.95.00 - —
extract, liq., 35% tannin, bbls lb. .09¾- .10
solid, E. Africa, 60% tannin, bgs., ex dock, duty extra lb. .09¾- —
S. Africa, 60% tannin, bgs., ex dock, duty extra lb. .10 - —
Wax, amorph. (see Wax microcrystalline).
Bayberry, bgs., spot lb. .40 - .43
Bees, crude, African, bgs. lb. .63 - —
Brazilian, bgs. lb. .67 Nom.
Central American, bgs. lb. .64 - .65
Chilean, bgs. lb. .67 Nom.
refd., USP, bleached, white bricks lb. .73 - .76
slabs lb. .72 - .75
yellow, bricks lb. .65 - .67
slabs lb. .64 - .66
Candelilla, crude, bgs. lb. .47 - .48
refd., bgs. lb. .50 - .51
Powdered candelilla, 20 mesh, 7c. per lb. higher, 80 mesh, 7c.; 100-200 mesh, 8c.
Carnauba, chalky, bgs., ton lots. lb. .57 - .58
North country No. 2, bgs., ton lots lb. .65 - .66
pure refd., bgs., ton lots. lb. .71 - .73
Wax, carnauba, North Country, No. 3, Ceara, crude, bgs., ton lots lb. .57 - .59
refd., pure, bgs., ton lots lb. .65 - .66
tech., bgs., ton lots lb. .62 - .63
Parnahyba, crude, bgs., ton lots lb. .59 - .61
refd. pure, bgs., ton lots. lb. .66 - .67
yellow No. 1, Ceara, bgs., ton tots lb. 1.02 - 1.06
Parnahyba, bgs., ton lots, lb. 1.05 - 1.07
Powdered carnauba wax price differentials same as powdered candelilla.
Japan, bgs lb. .45 - .46
Microcrystalline, 170-175°F., m.p. ASTM, penetration 15-20 ctns., 20,000 lbs., group 3, works lb. .13 - .14
smaller lots, same basis. lb. .14 - .15
black, ctns., 20,000 lbs., same basis lb. .11½- .12½
smaller lots, same basis. lb. .12½ 13¼
white, ctns. 20,000 lbs., same basis lb. .24 .25
smaller lots, group 3, works lb. .25 - .26
180°-185°F. m.p., ASTM, penetration, 7-11; amber, ctns., 20,000-lb. lots, same basis. lb. .16 - —
smaller lots, same basis. lb. .17 - —

Wax, microcrystalline, 180°-185°F. m.p., ASTM, penetration, 7-11; black, ctns., 20,000 lbs., same basis lb. .14½- —
smaller lots, same basis. lb. .15½- —
white, ctns., 20,000 lbs., same basis lb. .27 - —
smaller lots same basis. lb. .28 - —
190°-195°F., m.p., ASTM, penetration 2-7, amber, ctns., 20,000 lbs., same basis lb. .20 - —
smaller lots, same basis. lb. .20½ —
black, ctns. 20,000 lbs., same basis lb. .18 —
smaller lots same basis. lb. 18½- —
white, ctns., 20,000 lbs., same basis lb. .33½- —
smaller lots same basis. lb. .34½ —
Montan, dom., refd., bgs lb. .27 Nom.
imp., crude, Bohemian, bgs lb. No prices.
German, bgs. lb No prices.
Ouricury, refd., pure, bgs lb. .88 - .90
tech., bgs lb. .80 - .82
Paraffin (see P).
Spermaceti blocks, cs. lb. .30 - .33
cakes cs. lb. .31 - .34
Sugar cane, dom., refd., slabs, works lb. .65 .75
spot lb. .67¼- .72¼
White lead (see Lead, white).
White pine bark, rossed, bls lb 18 19

—Continued on page 52



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The increased use of toluene as a chemical raw material created the demand for a purer product. Sun met this demand last year when it built its new aromatics plant.

Since then, industries using new high purity Sun Toluene have been reporting increased plant efficiency...better quality in their finished products...increased life of many of their catalysts.

Sun Toluene has a purity (mol. percent.) of 99.9. The bromine index test, a most sensitive measure of olefins, typically shows negligible results. Typical results from the isatin test show that Sun Toluene is thiophene-free.

In addition, Sun Toluene is guaranteed to contain less than 0.5% paraffins...well below the ASTM maximum of 1.5%. *As a matter of fact, by the ASTM Test, Sun Toluene normally contains no paraffins whatsoever.*

TYPICAL TESTS

Paraffins	Nil
Bromine Index (unsaturates)	Negligible
Acid Wash Color, ASTM	1
Distillation Range	0.6 C incl. 110.6 C
Sulphur, Wt. %	0.001
Mol. % Purity	99.9
Thiophene (Isatin)	Negative

For complete specifications and more information about Sun Toluene see your Sun representative... or write for Technical Bulletin #27. Address SUN OIL COMPANY, Philadelphia 3, Pa., Dept. OP-9.

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To Better HEW Functioning

There are reasons to believe that the new Secretary of Health, Education, and Welfare has changed his mind about making major changes in the department. Just before he was sworn in, he said that he planned no such move. Less than a month later, he made it known that he was taking a new look at the health program—an angle somewhat apart from his previous major interest in social security. His new look is especially directed toward the legislative aspects of the departmental program and practice. What that might mean in the direction of health insurance or similarly purposed service can be but conjectured: although the secretary's latest comment points to its expectability.

The secretary did not have anything to say about departmental changes at the time the report was made on the investigation of untoward results in early instances of administration of the new polio vaccine. That report, at least as published, does not give him much, if anything, on which to base any recognition of necessary change. In truth, it tells little, if anything, that was not previously known, and it is regretfully lacking in reference to anything to which the detrimental effects actually could be, perhaps should be, attributed.

Outspoken critics of the department's position and action in the polio vaccine matter have been inclined to lay the blame for the official muddling on the personal political philosophies of the present secretary's predecessor. They hold that her antagonism toward anything and everything which she considered tinged in the least with socialism (nationalism) in a medical sense kept the department from going as far as it should have gone in the direction of control. Those who believe that the vaccine program would have gone along smoothly and safely and effectively if government had stayed out—also the public boosters—until a practicable procedure had been developed, of course, have a diametrically opposite view. One thing is certain: the department was too new and the secretary too inept to meet a task as severe as that presented by the polio vaccine problem.

Another thing which should become convincingly clear under any study in the direction of changes needed or desirable in the department is the excessive expanse of its functional area. Its scope comprises matters sufficiently numerous and varied to require the services of at least three such agencies. Its purposes could be served much more effectively in the public interest and the national welfare if matters of health, matters of education, and matters of social security were each in a different department. Jamming the three into one such agency is in certain ways worse than that other cabinet practice of splitting business matters among an indefinite number of agencies at different levels.

If the Department of Health, Education, and Welfare must be a tripartite or triple-purposed organization, one of the most helpful areas of potential improvement of its services comprises consultative and advisory assistance from all private groups affected by or concerned with its functioning. Such service has already been well developed in the form of contact groups especially in pharmacy and medicine and food, and their chemical allies. Its developement in education is well under way.

Another Problem in Coal

Not so long ago there was opining among those who go into such things that the somewhat unusual inactivity of the long-powerful boss of the United Mine Workers in the coal areas was attributable to his recognition of the financial plight of the soft coal industry and a not unselfish feeling that it would be wise to let well enough alone. Employment in soft coal mines had been reduced something like 60 percent by the adoption of mechanized mining methods and the loss of markets to coal and gas, and the hourly wage of miners was well toward the top among major labor groups.

Not all opiners were in agreement with that view. Some were inclined to go along with the frequently heard allegation—largely attributed to envy—that the buttering of the miners' boss's bread was not all done with union dues. Now that he has emerged from his "napping" and, perhaps because at least some of the bigger operators have been adding nicely to their earnings by way of export markets, has asked for—and got—a goodly boost in wages, both groups of opiners are wondering just what was the answer to why he napped. They are equally at a loss for words to tell what the soft coal industry is going to do financially under the handicap of that addition to its production costs, especially since some of the bigger foreign buyers of American coal are gradually adapting their needs to other sources of heat and power, for various reasons—including the pressure of sentiment and action against air pollution.

It is unquestionable that the soft coal industry in this country faces a real problem of profitable survival. To what extent it can proceed to solve that problem is a big question. A bigger one is what it will do in that direction. The fact, recently mentioned here, that it appeared to have practically no interest in a conference in Europe on the scientific aspects of the economic status of coal does not indicate that it has no interest in that direction and is not concerning itself with the discovery and development of means of making profitable use of the enormous natural resources of this country's coal fields. That concern is not limited to areas touched upon in a recent statement by the National Coal Association on what coal could and would do "to take the place at once of other fuels in case of emergency," and its suggestion that the "small investment in a reasonable stockpile is warranted by all who use or can use coal."

There is much more than that to the problem of coal's future. Recognition of that fact apparently is better in other coal countries. Britain, for example, by way of the Institute of Fuel, is doing much to promote conferences, collaboration, cooperation, and coordination among the several major fuel industries. Research on the chemical-derivative side is being pushed everywhere—apparently more elsewhere than in this country. A process has been developed in India for the preparing of ion-exchange material from coal. It is to be commercially developed there, and a German firm will handle it in Europe. Recent U.S. patents on naphthalene are getting a deal of attention in that continent. A process for the conversion of crude benzene to alkylated derivatives has been got to a semi-industrial stage in France. Production of oil from coal, with a goodly output of side-products in fuel, fertilizer, and phenolic areas is reported to be making long strides in South Africa.

Sometime ago, in a discussion of atomic fission in peaceful roles, one speaker said that the "burning of coal to carbon dioxide and ashes under boilers could no longer be afforded." Unless the methods of such consumption are vastly improved, the truth of that statement will soon be quite evident. But, coal can be converted in the fields into oil and gas and innumerable chemical compounds of known or potential applications in peaceful processes. If the coal industry is to meet the problem presented by the increase in its cost of production, it must closely integrate that production with processings that will pay.

Balancing the U.S. Budget

It is impossible to say just what is the purpose of the talk by high federal fiscal officials on the possibility and probability of a balanced budget by the end of the current fiscal year. It is easier to see something behind the accompanying expressions of expections of a reduction in federal taxing by that time. It is difficult to accept either of the outlooks as anything other than something for the members of congress to make hay with during their vacationing at home.

It is to be expected that the majority of the fence-fixing legislators will not talk along the same lines as have several of their senior colleagues who have learned from experience, and who, consequently, say that the budget can be balanced, but not that it will be this year, and that no tax reduction should be made until the budget has been balanced—for keeps.

It will not be emphasized—if even mentioned—in the fence-fixing talks that the first thing to be done toward reaching a budgetary balance is to reduce spending. There is high-echelon talk that defense buying will be reduced. There is clamoring at high legislative levels for more financial help for the farmer. It is quite likely that the one would offset the other—and nobody says anything about how much the cutting of defense buying would reduce the federal income tax receipts.

One of the budget-balancing ideas put forth by those who have been foremost in the talk on that subject for years has to do with "further drastic cuts in foreign aid." That would not cost any votes to speak of; so it might be done. Its proposers have always kept their trimming shears away from any spending that has to do with the inflow of federal financing into their baliwicks.

On the opposite page of the budget book is the shipbuilding and repair program announced about six weeks ago by the Maritime Administration. It involves the spending of 756-million dollars. There is red ink also on the page recording the impacts of the "Buy American" policy. Even as that policy has been apparently eased, it still made possible on the basis of "substantial unemployment"—criterion of the volume not defined—the recent bypassing of a substantially lower British bid on equipment desired by the government. It will help much toward a balanced budget if, in addition to reducing charitable financing of the economy of other countries, a scheme is devoloped—with as little governmental participation as possible—for making it possible for those countries to buy American with dollars which they get by way of American buying.

The expecters of a balanced budget place a deal of reliance on an increase in federal revenue which is to come by reason of the high records in the incomes of corporations, the higher wages being got by a record number of employed persons, and the "capital gains" coming from the stocktrading boom. Out on the sidelines there is a feeling that one of the biggest boosters of federal revenue could be brought in through the development of a system under which a larger percentage of income taxes actually due would be collected.

Washington Talks It Over

By Ralph L. Cherry
Chief, OPD Washington Bureau

A subcommittee of the house interstate commerce committee is planning to do a lot of spade-work during the congressional recess on one of the most controversial items of legislation slated to come before congress next session. This is the bill to carry out recommendations of the Presidential Advisory Committee on Transportation Policy providing for virtually a complete overhaul of the transport regulatory system.

In anticipation of a long and bitter controversy over some of the proposals advanced by the advisory group, the subcommittee has decided not to wait until congress reconvenes in January to begin work, but to begin its hearings next September 19 and get this much of the job done before the new session begins. The first opportunity to comment on the basic principles and proposals involved in the report will go to each of the affected transportation industries. The shippers will get their chance to testify later.

The chemical industry has a vital interest in the legislation because some of the proposals of the advisory committee would upset long standing practices of the industry. One recommendation of the committee was that congress repeal that provision of law which permits the inland water carriers of bulk commodities to go unregulated as to rates. The effect of this could be expected to be a sharp increase in the charges of these carriers as their rates are made more competitive to other transporting agencies. Producers of bulk chemicals like fertilizers are among the heavy users of this service.

Another important change proposed is to give the railroads greater freedom from interference from the Interstate Commerce Commission in establishing freight rates. The railroads would be allowed to establish their rates on a competitive basis to recapture some of the traffic lost to the other forms of carriers. This proposal of the committee has drawn heavy fire from the motor truckers who predict the railroads will use the authority to drive the truckers out of business and make up their losses from the non-competitive traffic.

FDA on Toxicants in Milk

The Food and Drug Administration sooner or later is going to have to come to grips with the problem of what to do about minute amounts of toxicants finding their way into milk as a result of the many new chemical pesticides being offered to the farmers for use on the farm.

It has always been the policy of FDA that there is no room for even the slightest trace of poisonous substances in milk. Milk is primarily the food for babies and infants and as a matter of principle they should not be subject to the same hazards as adults. The agency had an occasion to reaffirm this policy forcibly a few years back when traces of DDT used as a fly-killer in dairy barns began showing up in milk.

But the Miller pesticide law may force the FDA to modify its viewpoint. The law, in effect, says that minute amounts of chemical pesticides can be absorbed by humans without harm and therefore the agency should establish safe tolerance limits that will enable the agricultural industry to obtain the benefits of the many new pesticides.

Tolerances for residues of DDT and other chemical pesticides are now being established for fruits and vegetables and it is just a question of time before the agency will have to decide on a tolerance for residues in milk. It is known that some people are in favor of pressing the issue before the FDA.

Sodium sesquisilicate, hydrated, bgs., c.l., works.....100 lbs. 4.60 • —
l.c.l., works.....100 lbs. 4.95 • 5.35
dms., c.l., works.....100 lbs 5.00 • —
l.c.l., works.....100 lbs. 5.35 • 5.75
Sales zones are: (1) All States E. of Miss. R. and N. of south bound. of Ky. and Ala., La.

Stannous chloride, anhyd., dms., works lb. .805 -1.074
Hydrous (crystals), dms., works, works lb. .76 • .77
Sulfate, dms., works lb. .924 • .944
Starch, corn, pearl

c.l., works..ton.18.40 • —
l.c.l., works ton.36.00 • —
fibrous, New York, grd., bgs.,

Akron, Ohio.....gal. .32 • —
Middletown, Ohio....gal. .33½ • —
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Trisilicate, po
l.c.l.,
dms., c
l.c.l.,
Tungstate, tec
Sodium ammoniu
wa
Sodium-carboxy
Sodium cinchopn
Sodium-formalde
l.c.l., sa
Sodium-zirconyl
1,000-lb lots
smaller l
Solvent naphtha,
petroleum (s
aromatic)
Sorbitan monostea
000-lb.
10,000 to 20
smaller lots
Tristearate, fib.
10,000 to 20,0
smaller lots
Sorbitol, cryst., p
1 to 5-ton
powd., dms., l
soln., coml., aqu
ton lots
smaller l
tanks, work
reg., 70%, aqu
ton lots
smaller
tanks, wor
Soybean meal, 44%,
protein, chemically
mechanically re
works lb. .06 • —
Sparteine sulfate, ens.....oz. .80 • .85
Spearmint leaves, dom., bls ..... lb. .75 • —
imp., bls ..... lb. 1.25 • —
Spruce, extract, liq., reg., tanks, works lb. .01¾ • —
powd., super, bgs., c.l., works, lb. .05¼ • —
l.c.l., works ..... lb. .05½ • —
Squill, white, bls .....lb. .17 • .19
powd., bbls, bxs .....lb. .18 • .21
St John's bread, edible, bls lb. .13 • .15
Stannic chloride, anhyd., dms., works..lb. .752 • .762
Oxide, dms., dwd. E.....lb. .93½ • .94½

MEMO FROM: Product Development Committee

TO: Purchasing Department

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ground, bgs., ex-dock....ton.127.00 • —
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Carteret, N. J unit-ton. .88 • .91
triple, 48% or more, a.p.a., pulv., bulk, c.l., East Tampa, Fla, unit-ton. .98 • —

T

2,4,5-T, dms., c.l., works, frt. equald, lb. 1.25 • —
l.c.l., same basis ..... lb. 1.30 • 2.30
Isopropyl, ester, dms., c.l., works, frt. equald..lb. 1.30 • —
l.c.l., works.....lb. 1.35 • —

solid, dms., frt. alld.....lb. .61 • —
m-Toluidine, dms., c.l., works, frt. alld..lb. .79 • —
l.c.l., same basis.....lb. .80 • —
tanks, same basis.....lb. .78 • —
o-Toluidine, dms., c.l., works, frt. alld..lb. .23 • —
l.c.l., same basis.....lb. .24 • —
tanks, same basis.....lb. .22 • —
p-Toluidine, flake, dms., frt. alld. lb. .64 • —
solid, dms., frt. alld. .....lb. .60 • .61
Toluol, coaltar, indust. or nitration, tanks, works:—
Bethlehem, Pa. .....gal. .34 • —
Birmingham dist.....gal. .32 • —
Chicago dist .....gal. .35 • —
Cleveland dist.....gal. .32 • —
Geneva (Utah .....gal. .26 • —
Johnstown, Pa. .....gal. .32 • —
Lackawanna, N. Y.....gal. .35 • —

V

Vitamin A acetate, syn., crystalline, beads 500,000 A units per gram gram, .07¼ • —
dry, 500,000 units per gram, kilo lots kilo 72.50 • —
325,000 units per gram, same basis kilo47.10 • —
250,000 units per gram, same basis kilo 36.25 • —
Dry vitamin A acetate in less than kilo lots, $2.50 per kilo higher in all potencies.
liq., in oil, 1,000,000 A units per gram 1,000,000 units. .12 • —
Palmitate, liq., 1,000,000-1,800,000 A units per gram, 1,000,000 units. .12 • —
in oil 1,000,000 A units per gram 1,000,000 units. .12 • —

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Heavy Chemicals

A major producer announced an advance in liquid chlorine in seller's tankcars, of $2.40 per ton, effective Sept. 6 on spot and October 1 on contract.

As a result of accumulated increased labor and manufacturing costs, the prices on several heavy chemicals which had long been unchanged, were advanced in price. Among these were borax and boron compounds which had not been increased since May of 1953. Boric acid and anhydrous borax were advanced $1.50 per ton. Borax decahydrate was advanced $1 per ton and the pentahydrate $1.25 per ton. Ammonium biborate and ammonium pentaborate increased $2.50 per ton as did potassium pentaborate. Sodium metaborate was upped $2 per ton.

Barium carbonate moved up $7.50 per ton and barium anhydrous chloride $7 per ton, while the technical chloride was moved up 50 cents per 100 pounds. Calcium chloride was advanced 15 cents per 100 pounds across the board.

The copper chemicals moved upward again to reflect the 3 cents per pound increase made in metal. Copper carbonate was increased 2 cents per pound, the sulfate 1 cent on all grades, except tribasic which moved 2½ cents, and the oxychloride moved up 3¾ cents.

The mineral acids looked very steady in price and indications were that there would be no changes in price for the fourth quarter. Acid supplies were quite adequate to take care of all needs. Except for the Southwest, business volume was regarded as good and not running too far behind production.

As of press time not all producers had as yet gone along with the announced price increases in alkalies which have previously been reported in OPD, but the feeling was rather certain that these changes would become industry-wide, because all makers were suffering from accumulated increased costs in raw materials, supplies, labor, and manufacturing, and profit margins had about reached the vanishing point.

The American Paper and Pulp Association reported production for the week ended August 27 at 94.8 percent of theoretical capacity, as compared with the revised figure of 93.2 percent for the previous week and 90.6 percent for the corresponding week of last year.

Price Trends

Advanced

Acid, boric, $1.50 per ton.
Ammonium biborate, $2.50 per ton.
Pentaborate, $2.50 per ton.
Barium carbonate, $7.50 per ton.
Chloride, anhydrous, $7 per ton.
technical, 50c. per 100 lbs.
Borax, anhydrous, $1.50 per ton.
decahydrate, $1 per ton.
pentahydrate, $1.25 per ton.
Calcium chloride, $2 per ton.
liquor, $1 per ton.
Copper carbonate, 2c. per lb.
Metal, electrolytic, 3c. per lb.
Oxychloride, 3¾c. per lb.
Sulfate, CP and crystals, 1c. per lb.
monohydrate, 1.4c. per lb.
tribasic, 2½c. per lb.
Potassium pentaborate, $2.50 per ton.
Sodium metaborate, $2 per ton.

Reduced

Tin, ½c. per lb.

Comparative Price Indexes

(1926–1949 average)

Last week	Prev. week	Last month	Sept. 3, 1954
99.23	98.47	98.40	98.53

(*For Current Prices see Page 9*)

Acid, Chromic—Current spot prices of 28½ cents per pound in carlot quantities on a delivered basis in the New York metropolitan area at 29¼ to 30¼ cents per pound went into effect last week. The contract prices will not take effect at this level until October 1. This was the first price change in two years on chromic acid, and hence the 1 cent per pound increase is justified by a very considerable accumulation of increased costs in manufacturing, labor, and raw materials, only a portion of which are offset by this price advance. Important chrome salts were correspondingly advanced.

Acid, Hydrochloric — Fourth quarter price stability was expected on this item. Except for the Southwest, demand and supply were in a relatively good balance, but there was an excess of supply in certain areas where consumption was not up to the by-product production levels. Eastern prices were firm.

Acid, Nitric—A well sustained demand caused this item to move into distributive and consuming channels promptly from production. Supplies were described as adequate to take care of all needs. Prices currently in effect were expected to prevail during the fourth quarter.

Acid, Sulfuric—Prices were firm and unchanged, and were expected to hold for the fourth quarter. Demand was steady at a good volume against a quite adequate supply.

Aluminum Chloride — Crystals were firmly priced at 14½ cents per pound in carlot quantities and 15 cents in l.c.l. drum lots, f.o.b. producing plant. The 32 degree solution was priced at 4.45 cents per pound in carlot carboy quantities, and 5.2 cents in less than carlot quantities. Supplies were described is adequate, and a stable price position at current levels was expected to prevail for the next quarter.

Ammonium Chloride—The market was steady on this item, white fines of the technical grade were firmly quoted at $5.85 per hundred pounds in carlot quantities f.o.b. producing plant. Less than carlot quantities was listed at $7 per 100 pounds. Supplies were said to be adequate to meet all consuming needs.

Barium Salts — Barium carbonate was advanced $7.50 per ton, anhydrous chloride $7 per ton, and the technical chloride 50c. per 100 pounds, reflecting accumulated higher manufacturing and labor costs.

Borax and Boron Compounds—Anhydrous borax advanced $1.50 per ton effective September 1. The decahydrate moved up $1 per ton, and the pentahydrate $1.25 per ton. Boric acid increased $1.50 per ton. Ammonium biborate, ammonium pentaborate and potassium pentaborate moved up $2.50 per ton. Sodium metaborate was advanced $2 per ton. These price increases were made to partially offset increased production costs which have accumulated since the last price advance which was made in May of 1953.

Calcium Chloride — Prices were advanced $2 per ton on solid and $1 per ton on liquor effective September 1, reflecting accumulated increased costs in operations.

Chlorine—A major producer announced that effective September 6 on spot and October 1 on contract, liquid chlorine prices would be advanced $2.40 per ton, or 12c. per 100 pounds, f.o.b. its producing plants in seller's tankcars. The increase represents an effort to partially offset accumulated increased raw material, labor, and manufacturing costs since the last chlorine price rise in July of 1953.

Copper and Salts—Metal advanced 3 cents per pound at the past week-end, bringing it to 43 cents, on electrolytic, delivered Valley basis. This led to further advances in copper salts. Carbonate was currently priced at 34¾ cents per pound in carlot quantities, and 36¼ cents in less than carlot quantities, f.o.b. producing plant. The hydrate in carlots was listed at 45¾ cents per pound, and 46¼ cents in less than carlot quantities.

Oxychloride was advanced to 49¾ cents in carlots and ranged as to quantity in less carlots from 50¼ cents to 60¼ cents. The CP sulfate moved up another cent, becoming 21.4 cents per pound in carlots. The 99 percent crystal sulfate on a carlot basis was quoted at $14.50 per 100 pounds, and ranged in less than carlot quantities, varying as to quantity, from $15 to $17.50 per 100 pounds.

The 35 percent monohydrate type sulfate was quoted in carlots at $23 per 100 pounds and $23.75 in less than carlot quantities. The price of tribasic sulfate to dealers was $32.75 per 100 pounds in carlots and $34.25 in less than carlot quantities.

Sodium Compounds—Sodium sesquicarbonate will be advanced 15 cents per 100 pounds across the board on October 1. At that time caustic soda will advance 10 cents per 100 pounds on liquid and 25 cents per 100 pounds on flake and solid. Soda Ash will be increased 10 cents per 100 pounds across the board, as will also the sodium carbonate monohydrate. Sodium bicarbonate will also increase 10 to 20 cents per 100 pounds. As of press time, not all producers had as yet decided to go along with the above announced price advances by certain producers. However, the feeling was expressed that the advances will become general.

Sodium Metasilicate, Pentahydrate — Packaged in paper bags, this item moved in a steady market under a firm price position of $4.10 per 100 pounds in carlot quantities, f.o.b. producing plant. Less

For Late Market Developments, See Page 4

than carlot bag quantities were priced at $4.45 per 100 pounds. Packaged in fiber drums, prices were 40 cents per pound higher.

Zinc Sulfate—There was little new to report on this market. Supplies were quite adequate to meet the steady but relatively small volume of demand. Crystals of 22 percent zinc content in carlots were priced at $8.05 per 100 pounds in carlot quantities, on a freight allowed basis. The price of flake 25½ percent zinc content material packaged in bags varied in price depending upon quantity and seller, ranging in carlot quantities from $5.85 per 100 pounds, up to $7.40 per 100 pounds, f.o.b. works.

Nonferrous Metals

Aluminum—Net shipments of aluminum pig and ingot during June declined 20 percent, to 85,971,000 pounds, as against 108,070,000 pounds shipped in May, according to the Bureau of Census. However, shipments were considerably higher than the 63,430,000 pounds reported shipped in June, 1954.

Net shipments of aluminum mill products, including sheet and plate, foil, rolled structural shapes, wire, extrusions, drawings, powder, paste and forgings in June rose to 255,690,000 pounds from 234,309,000 pounds shipped in May, and was higher than the 184,205,000 pounds shipped in June, 1954.

Copper—Prices advanced 3c. per pound, bringing current price levels to 43c. per pound. In Britain, the copper market was at an all time high.

Mercury—Metal was unchanged last week, quoted at $253 to $256 per flask, as to quantity. The market remained dull, with only slight buying interest for immediate needs reported.

Bureau of Mines reports indicated that the domestic mine output of mercury was 4,900 flasks in the second quarter of 1955, which was some 21 percent over the volume turned out in the first quarter. Industrial consumption of mercury continued high in the second quarter when the remaining cells in the new chlorine and caustic soda plant at Muscle Shoals, Alabama, were put into operation.

A breakdown of the consumption of mercury, by uses, was recently completed by the Bureau of Mines. Consumption figures reported in 76 pound flasks, were as follows:

Use	1952	1953	1954
Pharmaceuticals	1,395	1,858	1,846
Dental preparations	1,027	1,117	1,409
Fulminate for munitions and blasting caps	337	39	106
Agriculture (includes insecticides, fungicides, and bactericides for industrial purposes)	5,886	6,936	7,651
Antifouling paint	1,178	655	512
Electrolytic chlorine and caustic	2,507	2,380	2,137
Catalysts	1,048	826	594
Electrical apparatus	8,018	9,630	10,833
Industrial and control instruments	6,412	5,546	5,185
Amalgamation	151	200	203
General laboratory	629	1,241	1,129
Redistilled	7,347	7,784	9,281
Other	6,421	14,047	1,910
Total	42,556	52,259	42,796

Tin—Stocks of industrial pig tin at US plants are reported to have increased from 11,500 long tons April 30 to 12,280 long tons May 31. The Federation of Malaya mined 5,084 long tons of tin-in-concentrates in June, as against 5,115 tons in May, and 5,050 tons in June, 1954, according to the Malayan Tin Bureau. The January-June output of 30,205 long tons, was 2.27 percent larger than a year ago. Exports of straits tin from Malaya in June totaled 5,913 long tons, as against 5,101 long tons in May, and 4,618 long tons in June, 1954. Some 3,673 long tons of the June total were shipped to the United States.

DuPont Appoints Latimore As Grasselli Ass't Sales Head

W. James Latimore has been appointed an assistant director of sales of the Grasselli chemicals department of E. I. duPont de Nemours & Co., Wilmington, Del., to succeed Wallace E. Gordon. Mr. Gordon becomes director of duPont's advertising department September 1. Mr. Latimore will have supervision of biological chemicals sales and development, and of export sales.

Chicago district sales manager since 1952, Mr. Latimore has been associated with the Grasselli sales organization since 1936, when he joined its new products division in Cleveland, Ohio, as a chemical sales engineer. He soon became a sales representative for Chemical specialty sales, and in 1945 was appointed assistant sales manager for acids and heavy chemicals. He was assistant district sales manager in Cleveland from 1946 to 1949, and district sales manager in Houston, Tex., from 1949 until he was transferred to Chicago in 1952.

Calcined Alumina Is Offered By Reynolds Metals Company

Availability of a new and different product for the chemical industry, calcined alumina of ceramic quality at commercial prices, has been announced by Reynolds Metals Company, Richmond, Va. The company is offering "R-2003" calcined alumina with fewer impurities and less water, which reduces dusting and minimizes shrinkage, it was stated. Calcined alumina is alumina fired at higher temperatures than metallurgical alumina, the company noted.

Drugs, Chemicals Figures Reported by Wholesalers

July sales of wholesalers of drugs, chemicals and allied products were down 12 percent from June but 7 percent higher than July a year ago, the Bureau of Census reported last week. During the first seven months of this year, sales have shown a 9 percent gain over the comparable period in 1954. Inventories were off 1 percent, compared both to June and July, 1954.

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Phosphate Plant Damaged In Florida by An Explosion

The Bonnie phosphate chemicals plant of International Minerals & Chemical Corporation near Bartow, Fla., was damaged by a dynamite bomb set off on Aug. 29, according to officials of the company. The dynamiting took place on the ninetieth day of the strike by local 35 of the International Chemical Workers Union. During the strike period portions of the plant have continued in operation by members of the supervisory staff.

Last week's dynamiting took place in the central control room of the sulfuric acid plant. Personal injury was avoided by the fact that members of the supervisory crew had not yet reported for duty.

Preliminary estimate of the damage is believed to be in excess of $50,000 and approximately two months may be required to repair the damage. However, temporary repairs requiring a week to ten days now are being made so that the plant can be operated, the company stated.

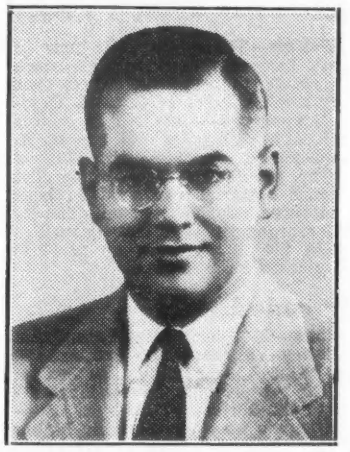
Gulf Oil Corp. Will Build Nuclear Science Laboratory

Gulf Oil Corporation, Pittsburgh, Pa., has announced plans for a nuclear science laboratory to enable its scientists to explore every possible application of nuclear energy for the manufacture of petroleum and petrochemical products. The laboratory, including a 3,000,000 volt atom smasher, will be located at the company's research center in Harmarville, Pa. Cost is estimated in excess of $500,000. The atom smasher, a Van de Graaff particle accelerator, will be the principal unit in the laboratory and will be installed approximately September 1, 1956.

Minnesota Mining to Buy Mica Insulator Company

Minnesota Mining & Mfg. Company, St. Paul, Minn., is negotiating to buy Mica Insulator Company, Schenectady, N.Y. Minnesota Mining has worked out an agreement with Associated Insulation Products, Ltd., London, England, to purchase 5,364 shares of Mica Insulator's 7,500 shares of outstanding stock. Completion of the project depends upon the purchase of remaining shares, now held by minority interests.

CMRA President Advances



Charles P. Neidig, president of the Chemical Market Research Association, has become a general partner in the investment banking firm of White, Weld & Co., with which he has been a chemical specialist for several years. Previously he was with Atlantic Refining Company as supervisor of chemical market research and development.

Monsanto Shifts Personnel In Merchandising Division

Monsanto Chemical Company, St. Louis, Mo., has named Marshall P. Theroux sales manager in its merchandising division in the Chicago district, and has announced two other recent appointments. Charles W. Yeilding has been named assistant district manager for appliance sales in the Kansas City, Mo., district. Bertram K. Denton was chosen assistant to the general manager of the company's overseas division.

Mr. Theroux had been serving as an administrator of the division's sales training program. Mr. Yeilding was formerly a member of the division's San Francisco district staff. Mr. Denton's position had been managing director of Monsanto Chemicals of India, Ltd., Bombay.

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Atomic Energy Use Seen Rising Sharply in Canada

Canada may have as many as ten 100,000-kilowatt nuclear reactors in service in the late 1960's or early 1970's, the Department of Commerce indicated last week in an analysis of papers read by Canadians at the recent International Conference on Peaceful Uses of Atomic Energy in Geneva, Switzerland.

It is estimated that by 1980 as much as 15 percent of Canada's generating power will be derived from atomic power. Most of the 100,000-kilowatt units are expected to be installed in southern Ontario. An even greater number of units ranging from 2,000 to 3,000 kilowatts are projected for use in the far north, where supplies of other fuels are difficult to obtain. Other units of 30,000 to 40,000 kilowatts are proposed for industrial plants which require process steam as well as power.

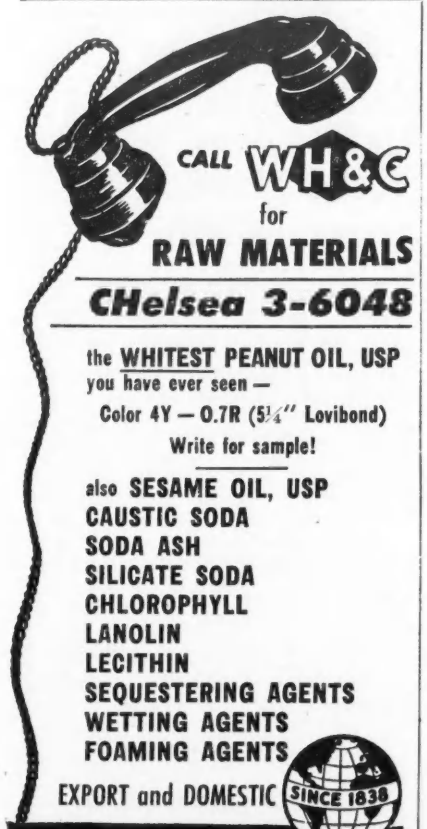
These predictions are based on operating costs of 6 mills per kilowatt-hour for the 100,000-kilowatt units and 20 mills per kilowatt-hour for the smaller generating and process-steam units for industrial plants. Present coal-fired steam plants of Ontario-Hydro show an operating cost of about 6 mills per kilowatt-hour. Whether this operating figure can be attained with nuclear power stations probably will be determined within the next five or ten years, on the basis of experience gained in operating several plants now under design and construction.

NPC Activities Inquiry Ordered by Rep. Celler

Rep. Emanuel Celler, chairman of the house judiciary committee, has ordered his investigating staff to look into the activities of the National Petroleum Council, apparently with an eye to further hearings upon his return this month, it was learned last week. A questionnaire has already been sent to the Department of the Interior asking for information about the council and, in particular, NPC's use of WOC (without compensation) employees.

Texas Butadiene Elects

Dr. C. A. Stokes has been elected vice-president and technical director of Texas Butadiene & Chemical Corporation, Houston, Tex. He is also a director of Petrocarb, Inc., New York. For the past ten years, Dr. Stokes served as director of research and development for Godfrey L. Cabot, Inc., Boston.



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☐ MANGANESE OXIDE
☐ MANGANESE CARBONATE
☐ FERRIC SULFATE
☐ SULFUR DIOXIDE
☐ MONOHYDRATED ZINC SULFATE
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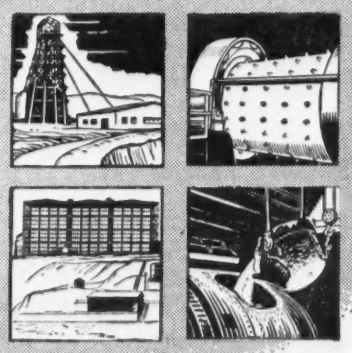
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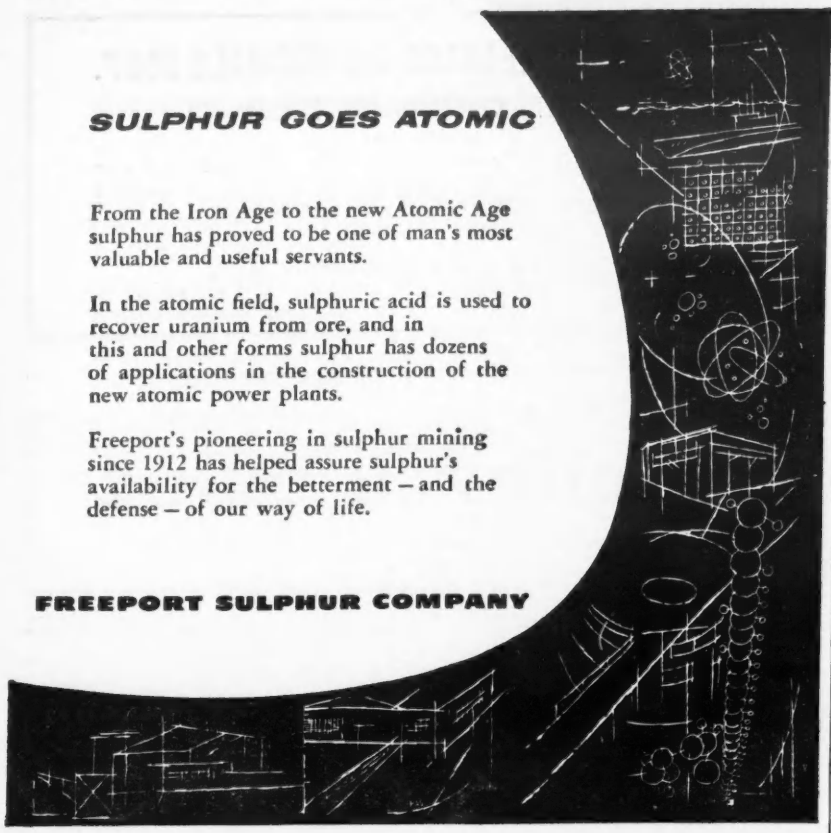

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Carboxyl Acid Development Announced by M.W. Kellogg

M. W. Kellogg Company, New York, has announced the development of a series of perhalogenated, monobasic carboxyl acids which, it says, will produce efficient emulsifying systems under the most corrosive, high temperature conditions. According to Kellogg, these acids will meet the growing need for newer types of surfactants that can be used efficiently with strong acids and oxidants.

Derived from chlorotrifluoroethylene, these "KEL-F" Acids undergo reactions involving the carboxyl group. Metallic salts, esters, acid halides, alcohols, amides, nitriles and ketones have been prepared from them. The new surfactants are characterized by high thermal stability up to 450 degrees Fahrenheit; excellent resistance to strong acids and oxidants; selective reactivity of a carboxylic acid; surface activity in highly acidic, basic or oxidizing media; low vapor pressure; and high density.

They are readily miscible in all proportions with most organic liquids. The hexanoic type is miscible in all proportions with water, but the octanoic acid has only limited solubility in water at 25 degrees centigrade. Since their toxicity has not yet been fully determined, normal practices employed for concentrated sulfuric acid must be considered in their use, Kellogg stated. While these acids and their derivatives are new, indicated uses include promoters for two-phase reactions; additives for metal treating baths; insecticidal dispersants; gelling agents for printing inks, polishes, and lubricating greases; rubber accelerators, anti-oxidants and stabilizers; and chemical intermediates.

Indoil, Carbide Unscathed

—*Continued from page 4*

of detergent alkalate outside of Whiting. These supplies are sufficient, he declared, to take care of all orders for a considerable period of time, long beyond the time when the flow of raw materials to the plant will be restored.

Meanwhile, a report from London stated that the British Insurance Association estimated the damage from the fire at $20,000,000. Half of the insurance covering the damaged plant had been placed in the London market, it was stated. At least ten percent of the total installation was destroyed before the fire was extinguished, according to reports. The fire followed an explosion in a twenty-six story liquid hydroformer that had been shut down for inspection, and quickly spread to other parts of the installation.

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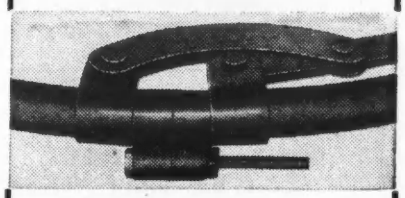

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Mixture of isomers; approximately 60% ortho- and 40% para-.
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Baleen Whale Catch Quota Reduction Asked Next Year

The Foreign Agricultural Service reported last week that the International Whaling Commission, which held its annual meeting in Moscow in July of this year, has recommended that the catch quota for baleen whales in the next Antarctic season be reduced from 15,500 to 15,000 bluewhale units, with a further reduction of 500 units for the following year. However, the change is subject to a ninety-day waiting period during which time the contracting governments have the right to object to the action.

The reduction by 500 units in the catch quota normally would be equivalent to a reduction in whale oil output of from 10,000 to 12,000 short tons. However, the yield of whale oil per unit was below average in the 1954-55 season. Thus, if yields in the 1955-56 season are more nearly normal, whale oil production under the new limit, if effective, could still exceed the 332,000-ton Antarctic pelagic outturn of 1954-55.

Other changes recommended by the commission, also subject to final approval by the contracting governments, include the decision to ban the catching of blue whales before February 1, 1956, instead of January 21, and to open certain previously closed areas in the Pacific for three years so that whale stocks may be studied.

Farm Exports for July Exceed Previous Year's

US farm exports in July were estimated last week by the Department of Agriculture at about $265,000,000, or 25 percent more than the $213,000,000 total of a year ago.

The gain in July agricultural exports over July, 1954, was due mainly to government export programs which increased shipments of some fats and oils, the principal grains and tobacco. Exports of cottonseed oil, soybeans, wheat, corn and grain sorghums improved.

For the fiscal year ending June 30, US agricultural exports totaled $3,143,000,000, or 7 percent more than the $2,936,000,000 exported in 1953-54.

Hollingshead Corp. Dedicates New Installation in California

R. M. Hollingshead Corporation, Camden, N. J., has dedicated its new $1,000,000 manufacturing and distribution center at Sunnyvale, Calif. The plant is equipped with every up-to-date manufacturing facility to turn out maintenance chemical compounds at an annual rate of 1,500,000 gallons. The plant is virtually a "push-button" operation in line with the latest thinking and practices of automotion, Hollingshead stated.

Hercules Powder Company Advances Baylis, McConnell

George B. Baylis, secretary of Hercules Powder Company, Wilmington, Del., since 1948, has been elected an assistant treasurer of the company. In his new position, Mr. Baylis will be responsible for problems involving insurance, banking and finance. J. H. Tyler McConnell, assistant to the president of Hercules, has been elected secretary to succeed Mr. Baylis.

Bids Wanted

Drugs, 7,560 bots. 1,000 S tablets acetylsalicylic acid, 2,880 bots., 100 S tablets, glyceryl trinitrate tablets, 0.6 MG, 2,832 bots., 500 S tablets, hexavitamin, 288 bots, 100 S tablets, 0.006 GM, morphine sulfate, 240 bots., 1,000 S tablets, 0.64 GM phenobarbital, 5,040 bots., 1,000 S tablets, 0.015 GM, saccarin sodium, 1,152 bots., 100 S tablets, 0.064 GM, sodium salicylate, 120 bots, 1,000 S tablets, 0.1 GM, thiamine hydrochloride, inv. A 61, Sept. 12, 120 bots., 1 lb. nitric acid, 192 bots., 1 lb., phenol, 144 bots., 1 lb., potassium citrate, 45 bots., 1 lb., sodium saccharin, 600 cans, 1 lb., sodium bicarbonate, 480 bots, 1 lb., sodium carbonate, monohydrated, 168 bots., 1 lb., sodium phosphate dibasic, 264 bots., 1 lb., sodium sulfate anhyd., 312 bots., 1 lb., terpin hydrate, 1,200 jars, 1 lb., zinc oxide paste, inv. A 65, Sept. 13, 72 bots., 1 lb., bismuth subcarbonate, 312 bots., 1 lb., calamine, 96 bots., 1 lb., gelatin, 96 bots., ¼ lb., ethyl aminobenzoate, 1,128 bots., 1 lb., magnesium trisilicate, 192 bots., ¼ lb., menthol, 84 bots., ½ oz., pituitary posterior, inv. A 92, Sept. 15, 216 bots., 1 oz., cocaine hydrochloride, 384 bots., 7 lb., methyl salicylate, 2,772 cans, 1 gal., petrolatum liquid, 1,800 jars, 1 lb., wool fat hydrous, inv. A 63, Sept. 13, Procurement Div., Supply Service Dept. of Medicine & Surgery, Vets. Adm., Washington 25, D.C.

Insecticide, 3,372 aerosol, low pressure, inv. 2B-67126-R, Sept. 14, Gen. Service Adm., Business Service Center, Region 3, 7th & D Sts., S.W., Washington 25, D.C.

Paint, 486 cans, 1 qt., burnt sienna, dark chrome green, medium chrome yellow pigments-in-oil, 36 cans, 1 gal., raw sienna pigments-in-oil, inv. 3T-65862-R, Sept. 13, Gen. Services Adm., Business Service Center, Region 3; 7th & D Sts., S.W., Washington 25, D.C.; 6,000 gals. exterior oil paint, inv., JD-IFB-383-127-56B. Sept. 21, 1,584 gals. moisture and fungus resistant varnish, inv. 383-5D-56B, Sept. 23, Aviation Supply Office, 700 Robbins Ave., Phila. 11, Pa.

Rock Salt, 1,450 sacks, crushed, inv., WCH 83969, Sept. 9, Gen. Services Adm., Region 5, 575 U.S. Courthouse, 219 S. Clark St., Chicago, Ill.

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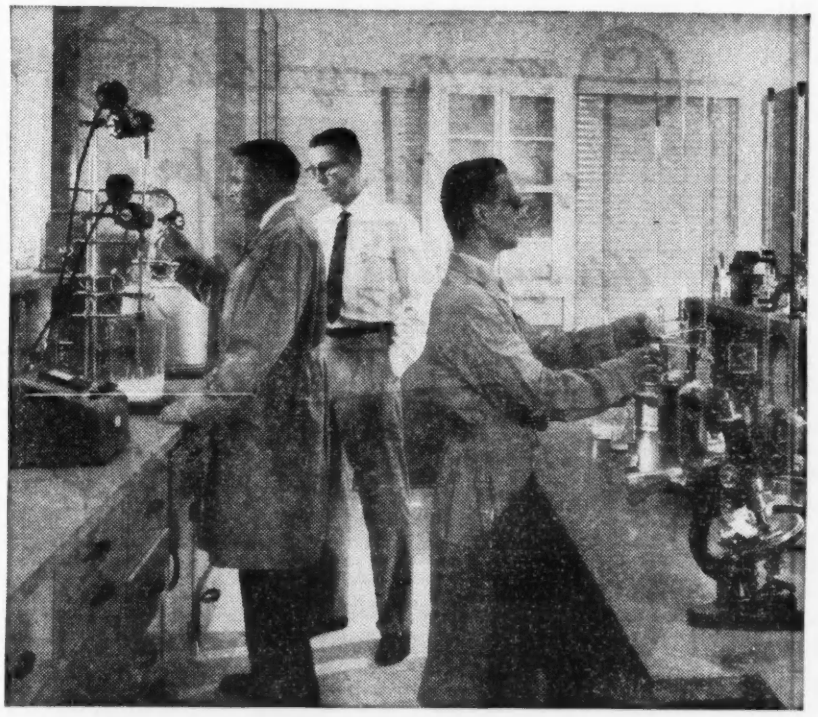

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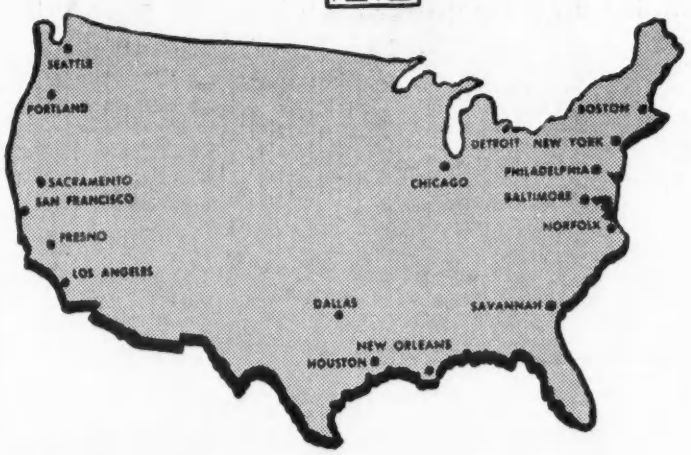

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Interior Dep't Increases Duties of Frederick Lott

Frederick S. Lott, petroleum programming specialist in the office of oil and gas of the Department of the Interior, has been given the added duties of director of the voluntary agreement relating to foreign petroleum supply. Mr. Lott succeeds Franz von Schilling, jr., as director of the voluntary agreement. Mr. von Schilling left the department at the end of July to return to Caltex, Ltd.

This week C. John Bauer will leave his post as assistant director of the office of oil and gas and return to Standard Oil Company (New Jersey). Mr. Bauer has been on leave from his company for the past year, serving Interior as assistant director for programming and North Atlantic Treaty Organization in petroleum

Obituaries

George A. Brockington

George A. Brockington, secretary of American Smelting & Refining Company, New York, died August 25 in Vergennes, Vt. He was sixty-four years old. Mr. Brockington had been associated with American Smelting since 1916.

Barton A. Myers

Barton A. Myers, petroleum consultant and former vice-president of International Petroleum Company, Toronto, Canada, died August 28 in Tulsa, Okla. He was seventy-two years old. He was with Standard Oil Company (New Jersey) for forty-five years and upon his retirement in 1943 held the position of vice-president in charge of production at International, a subsidiary of Standard.

Edwin Letts Oliver

Edwin Letts Oliver, founder and chairman of Dorr-Oliver, Inc., died August 29 at Lake Tahoe, Calif. He was seventy-seven years old.

Mr. Oliver was best known for his work on continuous filtration in the metallurgical field. He developed the Oliver continuous filter in 1907. In 1910 he organized the Oliver Continuous Filter Company to market his product. The company subsequently became, in 1928, Oliver United Filter Company and in 1954 was merged with Dorr Company to become Dorr-Oliver. Mr. Oliver was also the operator and owner of several mines.

David Crampton, chief chemical engineer at Wallace & Tiernan, Inc., Belleville, N. J., died August 28. He was forty-five years old. Mr. Crampton was also president of Stewart Industries, Inc., Clifton, N. J.

M. P. Cortilet, vice-president of the central division of American Can Company, New York, died August 27 in Chicago. He was fifty-nine years old.

Dr. Frank L. Hess, geologist and mineralogist, died August 29 in Bethesda, Md. He was eighty-three years old. Dr. Hess had at one time been principal mineralogist with the Bureau of Mines, and retired in 1944.

Joseph P. Holowchak, chemical engineer for Esso Research & Engineering Company, Linden, N. J., died August 27 in Cranford, N. J. He was forty-seven years old.

William Keen, retired manager of domestic marketing operations of Atlantic Refining Company, Philadelphia, died August 26 in Bryn Mawr, Pa. He was sixty-three. Mr. Keen joined the company in 1907, and retired last year.

Dr. Arthur W. Miller, retired chief of the Bureau of Animal Industry of the United States Department of Agriculture, died August 30 in Washington, D. C. He was seventy-eight years old.

Carl A. Young, former director of the production division of American Petroleum Institute, died August 30 in Dallas, Tex. He was sixty-seven years old.

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Petroleum Derivatives

Propane prices in the New York area were advanced ½ cent per gallon last week. This follows other recent advances in prices at group three areas. The new listing for the New York area is 7¾ cents per gallon in tankcars. Contract prices in Boston, Baltimore, and Hastings, West Virginia were also advanced. A hike to 6¼ cents per gallon was noted in Baton Rouge, La.

Partial aromatics sales remained in good condition last week. The market, along with others which are moving large quantities of material to the automobile industry, has continued to show strength for most of the year. Automobile producers are readying for changeovers to new 1956 models within a few weeks. The cutbacks in production until the changeovers have been made will not be felt to any large degree, it was stated.

Sales of VM&P naphtha were described as fairly good in recent weeks. It was expected that the bright market picture would remain for the remainder of the year. The construction industry and individual homeowner building held a high level of demand as the fall improvement season approached.

The recent fire at a large producer's refinery will be felt in few areas outside the mid-west, according to producers. The company, suppliers of vast quantities of oil in the mid-west area, had few outlets on the East coast. For this reason, one producer noted, the disaster should have little, if any, effect upon the Eastern market.

Solvents and Diluents

Benzol—June production, according to the bureau of mines, was 40,000 barrels, as compared with 57,000 for June of 1954, and 55,000 in May of this year. The overall production picture however, for the first six months of the year, are at a high of 330,000 gallons, as compared with the 220,000 gallon figure of last year for the same period. Prices, in spite of the high production remained unchanged. Sales, according to producers, were moving along scheduled levels.

Mineral Spirits—There was no variation in the mineral spirits market last week. The continued slow but steady increase in the use of odorless material was noted by one producer. It has shown good sales throughout the summer. Quotations quoted earlier remained firm.

Partial Aromatics—This market, as other diluents used in the paint field, has had a good summer, both sales and production-wise. Also, alongside its seasonal market, partial aromatics have had the growth of sales within the automotive industry. Although sales in automobiles are slow at present, any slight variation should bring continued growth to the partial aromatics market. There were no price changes.

Toluol—The loss of the government market continues to be the major thorn in the side of this product. One producer noted that without it, or something to replace it, the sales picture looks rather dark. Though industrial sales have grown somewhat, they have in no way come close to compensating for the loss of the government as a heavy buyer. Producer figures showed a decline.

VM&P Naphtha—Sales of this product continued good over the past week, producers noted. Expectations of good seasonal sales have been lived up to. The construction industry and individual home owner sales have contributed heavily to the season. Prices held firm and quotations were the same as in past weeks.

Xylol—Though insecticide sales briefly brought a glow to the market, sales have been sliding off slightly for xylol. The sudden demand that arose, earlier in the season, placed a slight demand upon producers, but at present, stocks are in a position to meet any demand. There are no quotation changes and production figures remained the same as those last month.

Price Trends

Advanced

Propane, ½c. per gal.

Reduced

None

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Sept. 3, 1954
104.32	104.32	104.32	104.42

(For Current Prices see Page 9)

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended August 20 totaled 264,-51',000 barrels according to data reported to the Bureau of Mines. Compared with the total of 265,626,000 barrels for the preceding week this represents a decrease of 1,109,000 barrels comprising a decrease of 174,000 barrels in stocks of domestic crude and a decrease of 935,000 barrels in stocks of foreign crude.

Waxes

Microcrystalline—Domestic demand was seen edging upward slightly. Suppliers stated that the market was in very close balance, although no actual shortages were in evidence. However, the present good rate of consumer demand was expected to hold up at present levels throughout the quarter, and supplies were expected to continue on the tight side during that period. Prices remained steady, with no changes expected in the immediate future.

Paraffin—Demand from Mexico and the Latin American countries has continued steadily, producers noted. While export figures do not show any great upsurge, they do express a growth of the use of paraffin in those countries. Current price schedules continued in effect through the week. The quarter, according to producers, is expected to make a good sales showing.

Lighter Fractions

LPG's — Prices in propane were advanced ½c. per gallon. The new listing in New York is 7¾c. per gallon in tankcars. Production for June of this year was 3,709,000 barrels, a slight climb from the May figure of 3,453,000 and a strong climb from the June, 1954, figure of 2,804,-000 barrels. Stocks at refineries showed little variation with 957,000 barrels for June, 952,000 barrels for May, and 1,093,-000 for June of last year. This statistical picture appears to substantiate the recent price changes that occurred in Area three last month.

Miscellaneous

Crude Oil—Daily average production of crude oil and lease condensate for the week ending August 19 was 6,700,000 barrels according to estimates of the American Petroleum Institute. The industry as a whole ran to stills of 7,505,000 barrels of crude oil daily. Total petroleum imports (crude) for the four weeks ending August 19 was 1,085,800. This, as compared to 928,400 gallons for a similar period ending on August 20, 1954.

Production of crude oil averaged 6,613,-000 barrels daily for the month of June, a decrease of 64,000 barrels daily, compared with May, according to a Bureau of Mines report. The daily average production declined 97,000 barrels daily in Texas and 38,000 barrels daily in Louisiana. Oklahoma production increased 23,000 barrels daily; Kansas, 11,000 barrels and Illinois, 10,000 barrels.

An annual level of over 10,500,000 tons has been reached in Rumania according to the state news agency.

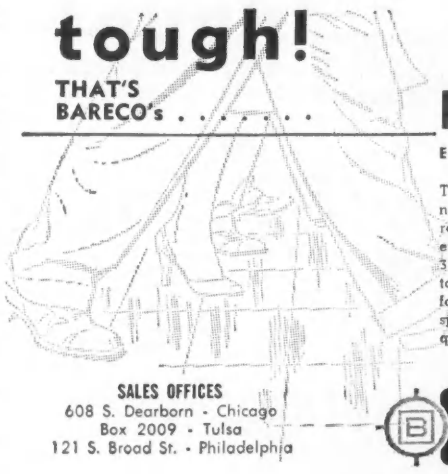
Petrolatum—This product has remained steady in both sales and production, with a plentiful stock on hand, producers noted. Current petrolatum prices are, per pound in tankcars at refinery: amber, .03¼—.04⅛; cream, .04⅜—.05⅝; extra amber, .03½—.04⅜; USP, while, .04⅞—06; snow, .05⅜—.05⅞; soft, .05—.05⅞; yellow soft, .03½—.05⅞.

Los Angeles Petroleum Market

Los Angeles.—The market for high melting point paraffin waxes was steady with all listings firm. A good rate of demand was reported with supply position somewhat limited, 127 131 ASTM, slabs loose, fully refined, f.o.b. refinery San Francisco Bay area quoted .0845 per pound. 140/147 ASTM, same basis, quoted .0775 per pound. 157/162 ASTM, same basis, listed .093 per pound. All 10,000 pound minimum. Add .007 per pound for cartons. Add .0025 per pound for export. Tankcar prices posted .0755, .0685 and .084 per pound, respectively. The solvent and diluent market was without particular feature over the week.

Lacquer diluents and light paint thinners witnessed some activity with quotations firm at 20.4c. per gallon, 400 gallons or over, ex-tax, f.o.b. Los Angeles Basin area.

For Late Market Developments, See Page 4



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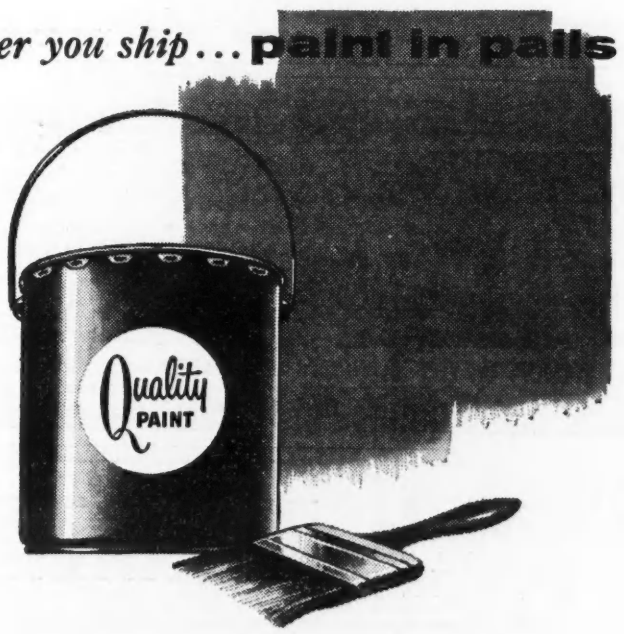

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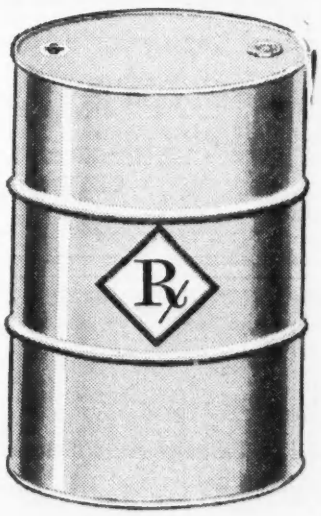

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Industrial Organic Chemicals

Price activity in industrial organics was limited to an increase for ethyl bromide and a lower price for crude glycerine. Demand for most aliphatic organics continued to run along at a good pace. Nothing appeared to be extremely short because of an intense demand. Then too, there were no excessive inventory problems where buying was below total production capacity. Producers turned out what they needed for present market conditions and sold it at approximately the same pace.

Trade sources said they still were moving as much glacial acetic acid as they had expected. Sales were steady at a reasonably good level. Acetone alcohol and other solvents continued to move well. Acetone prices were firm without change. Some sources have indicated that the ethanol market is getting stronger. Carbon disulfide was moving well to rayon. Propellants and refrigerants kept the carbon tertachloride market very active.

Formaldehyde sales were somewhat better than in July. The decrease in July was relatively small. August demand recovered most of the lost interest, but not all of it. September demand looked good. Buying interest for refined glycerine was holding up well. Glycerine moved into all consuming channels with comparable speed. The weakening of the crude glycerine price is the result of increasing production and greater availability. Demand was undiminished.

MEK held up well. Solvent demand was still good for this ketone and other lacquer materials. Among chlorinated solvents, trichloroethylene and perchloroethylene sold well for vapor degreasing operations. The trichloro, is the larger volume solvent. But, the perchloro market is gradually growing. Vinyl acetate monomer business was still brisk. Most of the movement was in emulsions, it was said. Vinyl acetate paints were supplying a minor part of total demand, but, were growing as the market developed.

Acetic Acid—Demand remained fairly good. Producers related that buying interest has held up to approximately the same pace for the past few months. What improvement there has been in the market over levels of a year ago was largely due to some pickup for textiles.

There was room for more improvement in textiles, and consequently for acetic acid too. However, present levels were felt to be satisfactory, though routine. Some plans for increases in production which have been announced for rayon were somewhat encouraging for glacial acid producers. Meanwhile, the market was firm at a reasonably good level. Prices held at 10c. per pound in tankcars.

Acetone—The volume of business being maintained for acetone was keeping the market firm. Most trade sources indicated that there was considerably less pressure on the market for lower prices. Even though there was some extra acetone around with cumene acetone in the picture, there was less around than sources felt there would be earlier. Producers were quoting 7c. per pound in tankcars.

Alcohol—A well diversified demand for solvent and chemical uses kept sales of ethanol up at a satisfactory pace. Producers generally felt that the alcohol market was a little firmer. But, no immediate price increases were expected.

There was ample production capacity available in the market to take care of present needs and any new orders coming in. There was apparently no surplus ethanol around and production was moving right out as fast as it was made. Most contracts were in force at 40c. per gallon in tankcars for tax-free grade. These schedules were the same levels carried in the market for more than a year.

Carbon Disulfide—Trade sources indicated that the market looks fairly good. Demand was holding up well at levels established in earlier months. There was ample production capacity to take care of a larger demand. But, there was enough improvement in buying from rayon this year to brighten up the picture.

Most of the strengthening in the rayon picture was said to be in staple fibers. The filaments have not shown as much improvement as staple forms, it was added. However, the overall picture was better in view of the proposed expansion of output which were announced by large rayon producers.

Carbon disulfide prices were firm and steady at previously quoted levels. Supplies were about balanced with demand. Producers were keeping production levels fairly well in line with consumption.

Carbon Tetrachloride—Demand continued to run high in this market. Trade sources related that the best market outlet now is in propellants and refrigerants. There is not as much solvent business around for carbon tetrachloride as there used to be, producers added. Some slight activity was felt for solvent applications and for spotting fluid use.

In fluorinated hydrocarbon propellants and refrigeration outlets, trade sources saw a continually expanding market. The wider use of things like propelled shaving creams were said to be resulting in increasing strength for carbon tetrachloride.

Ethyl Bromide — Price schedules were increased 2c. for this bromide, in a move simultaneous with some other bromides. Current quotations were at 43c. per pound in drum carlots, and 45c. per pound in less than carlots.

Formaldehyde—Producers were moving their output right out while running their plants at capacity operations. Demand regained most of its momentum after a slight amount of easing in July. But, the market has not completely recovered from summer shutdowns. A couple of strikes in the industry that were settled a few weeks ago, prevented producers from building up much inventory to take care of the fall demand from synthetic resins. Ordinarily, a little breathing spell in July would have provided time to fortify stockpiles. However, this year the "breather" came at a time when output in the market was reduced. Prices were firm at previous levels.

Although August sales showed the normal regain over July, the level has not yet gotten back up to the peak. Advance orders for September indicate sales will be up this month.

Glycerine—Demand for refined material held up to a good level. Producers related that buying interest was coming from several different directions equally well. It was said that disappearance figures from month-to-month show that consumption is maintaining a steady pace. Consequently, any easing in one direction would not be expected to be felt too much in the market. This was particularly significant in considering the effects of automoblie shutdowns for model changeovers. So far, there has not been much easing because of these work stoppages.

Crude glycerine prices were reported to be nominal at 20c. per pound for soaplye, and 21c. per pound for saponification material. This represented a 1c. decline from previous weeks' quotations. But, it did not indicate much change in the market from the preceding week because buyers were holding to the 20c. price at that time. Ample supplies of crude were resulting from increased imports and more production of synthetic glycerine. Another 1,400 tons of crude were scheduled to arrive in the middle of the month, it was reported. Thus, stocks were felt to be more than adequate to handle the present consumption rate.

Methyl Ethyl Ketone—Demand for this solvent was well up in line with overall solvent demand. Producers were moving output along at a steady pace. Lacquer materials have been going well in many directions other than the basic industries. Automobile and furniture production have accounted for a good volume of business. However, so have outlets such as small

This market reports on industrial aliphatic organic chemicals. Reports on industrial aromatic organics may be found in the Coal Chemicals market, while reports on fine and rare organic chemicals appear in the Drugs, Fine Chemicals, Botanicals market.

Price Trends

Advanced
Ethyl bromide, 2c. per lb.

Reduced
Glycerine, crude, 1c. per lb.

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	Sept. 3, 1954
130.93	130.91	130.96	132.06

(*For Current Prices see Page 9*)

For Late Market Developments, See Page 4

Organics Production: June

Figures for industrial organic output for June, 1955, compared with May 1955, are recorded in the following table. The statistics are released by the Tariff Commission in a regular monthly report.

		Production—June	Production—May
Acetic acid:—			
natural	lbs.	2,054,000	1,962,000
synthetic	lbs.	41,674,931	39,659,425
Acetic anhydride	lbs.	67,664,063	70,477,336
Acetone	lbs.	43,056,218	41,508,200
Butyl alcohol, primary	lbs.	18,132,572	17,528,719
Carbon disulfide	lbs.	48,473,638	46,688,162
Carbon tetrachloride	lbs.	29,836,839	25,020,531
Ethanolamines:—mono-, di- and tri-	lbs.	†	6,256,720
Ethyl acetate (85%)	lbs.	6,638,642	6,170,782
Ethylene glycol	lbs.	74,909,140	72,854,169
Ethyl ether, tech., and USP	lbs.	6,508,429	5,591,467
Formaldehyde (37% by weight)	lbs.	99,343,717	104,700,132
Formic acid	lbs.	1,455,082	1,535,689
Hexamethylentetramine	lbs.	1,757,766	2,175,309
Methanol:—			
natural	lbs.	†	1,274,880
synthetic	lbs.	106,708,754	111,152,078
Oxalic acid	lbs.	2,406,763	1,950,925
Pentaerythritol	lbs.	5,941,682	5,885,370
Perchloroethylene (tetrachloroethylene)	lbs.	16,359,562	14,711,310
Propylene glycol	lbs.	7,054,619	5,690,518
Trichloroethylene	lbs.	26,053,620	25,098,789

†Not available.

and large home appliances. Price schedules were firm without change.

Pentaerythritol—The summer lull in resins did not reduce the volume for PE seriously. However, it was felt that what little there was, came at an opportune time due to strikes that had tied up some producing facilities for a few weeks. Production is now running full once more and producers were unable to get any additional material for rebuilding of stockpiles. Some sources have been running production at capacity rates since the early part of the year. Prices were all firm and unaltered.

Perchloroethylene—Demand was showing some slight signs of improvement. This market has not been bad. But, there was a little drop during July, suppliers said, because buying in advance took place to considerable extent in June. Consumers were ordering up at that time to beat the July 1 contract price rise.

Demand from solvent and vapor degreasing operations was growing slowly for perchloro. It was felt that the market would continue to broaden. However, changeovers to this solvent in preference of others are retarded by the fact that higher pressures and temperatures are required. Thus, the switch would mean new equipment to handle it, or, conversion of equipment already in operation, it was said.

Trichloroethylene — Demand was still holding up well at a good pace. Producers felt that industrial solvent applications and vapor degreasing would continue to provide an active market for trichloro.

Imported material continued to come into the market at competative prices. However, its overall effect on domestic sales has not been drastic. It was said that some consumers preferred to keep a domestic supply line open. Thus, purchases of imported were largely in instances where cost was a primary factor. Naturally, the cost advantages held by imported material were less effective further inland. Thus, coastal areas and places accessible by water evidenced the most competition.

Trade sources in general, felt that there was enough demand for trichloro to absorb the imported material. The overall market outlook was good. Prices were firm without change.

Vinyl Acetate — The market for the monomer was holding up very well. Trade sources reported that emulsion business has been very brisk. Activity in this line has been good for such outlets as textile finishes, paper coatings and chemical end-uses for production of various vinyls.

It was said that the paint trade for vinyl acetate was still in the development stages. More attention was being paid to vinyl acetate paints and they showed potential for developing into a good market outlet for the monomer. Prices remained firm at 16½c. per pound in tankcars.

International Minerals Names John P. Young Co. Its Agent

John F. Young Company, Cincinnati, Ohio, has been appointed sales agent for the feed ingredients department of International Minerals & Chemical Corporation's Phosphate Chemicals Division, Chicago. The John F. Young Company will handle sales of International's feed phosphorus, bentonite, and liquid and dry betaine in Ohio, Indiana, Michigan and eastern Kentucky and Tennessee.

Arkell & Smiths Appoints

Ed M. Peterson has joined Arkell & Smith, Canajoharie, N. Y., as a flexible packaging sales representative. Mr. Peterson, formerly with Scioto Company, Columbus, Ohio, will work under the direction of Tom L. Jones, Arkell & Smiths' central sales manager, out of the company's Columbus office.

USI Selects K. E. Cosslett

Kenneth E. Cosslett, formerly with the export department of the plastics division of Imperial Chemical Industries, Ltd., has joined the export department of U. S. Industrial Chemicals Company, a division of National Distillers Products Corporation. Mr. Cosslett will assist Roy F. Macintyre, manager of the USI export department.

McLaughlin Gormley King Opens An Eastern Office in New York

McLaughlin Gormley King Company, Minneapolis, Minn., has announced the opening of an eastern office at 21 East 40th street, New York. Nathan D. Froot, who has been with Pesticide Advisory Service and Propel Chemicals for several years has been appointed manager of the branch. The office will have supervision of sales in the New England, New York and middle Atlantic areas.

Goodrich Int'l Rubber Gets Philippine Facility Assistance

The Export-Import Bank has authorized a credit of up to $1,800,000 in favor of the Goodrich International Rubber Company of Manila, Philippines, to help it in financing the purchase of US materials, equipment and services to be used in the construction of a rubber tire and inner tube manufacturing plant near Manila.

Goodrich International was recently set up to permit the expansion of its operations from merely a merchandising outlet for B. F. Goodrich Company's products to a manufacturing enterprise producing tires, tubes and other rubber goods using Goodrich patents and technical know-how.

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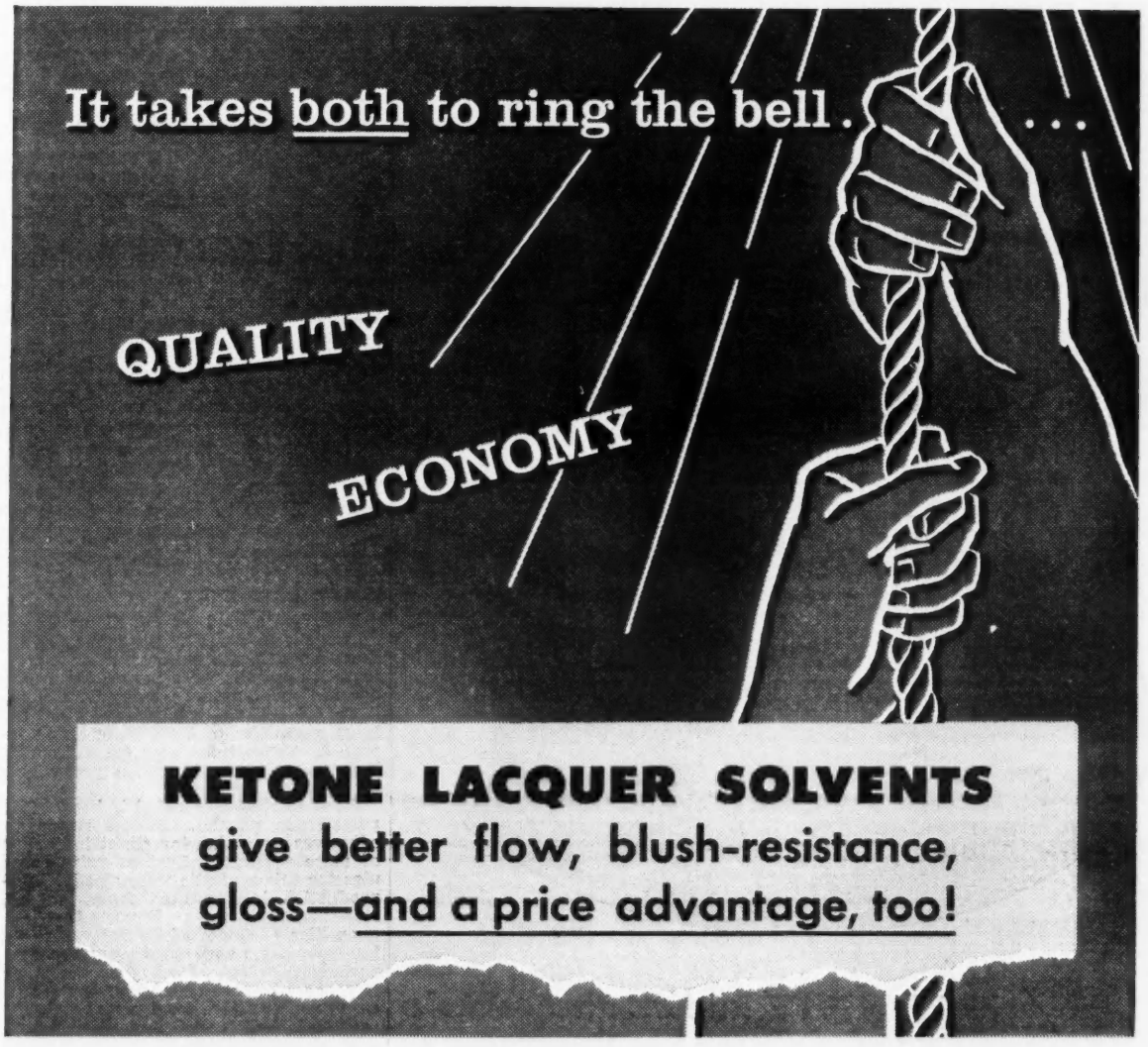

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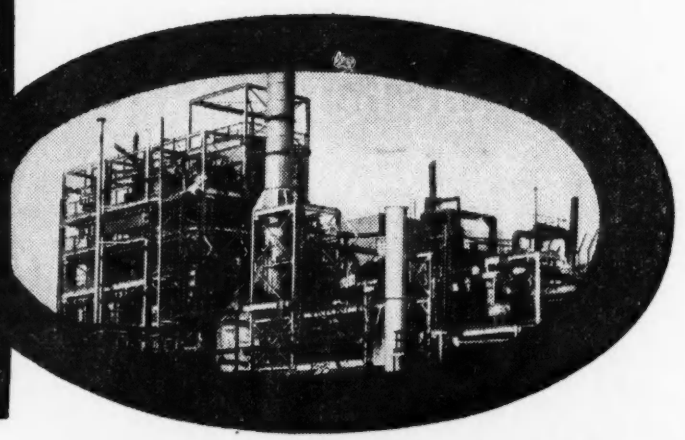
availability

basic production



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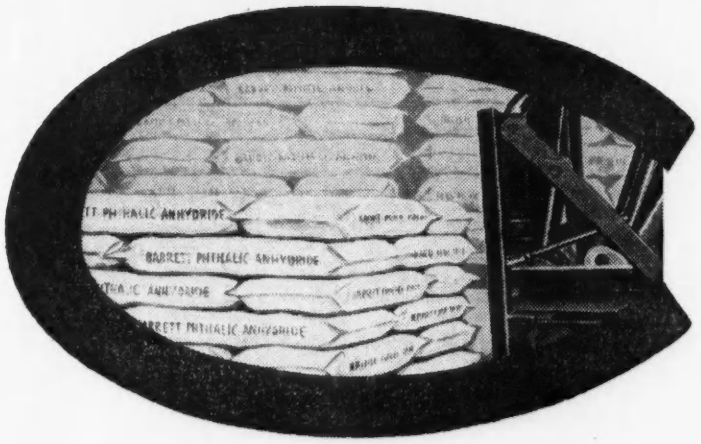

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Coal Chemicals

There were announcements last week of current and future price activity in both basic products and intermediates. The current changes were in crude and industrial refined naphthalene, 2,3-cresotic acid, o-chlorophenol, and p-chlorophenol. All were advanced in price. The future price changes, scheduled for October 1, were in various grades of coaltar pitch. These will be advanced also.

The prices of domestic crude naphthalene, 74° and 78°, were increased ¾ cent per pound. The industrial refined grade was advanced 1 cent per pound. The increase had been made previously by all but one major producer who announced the increase last week. The intermediate, 2,3-cresotinic acid, was advanced 4 cents per pound. o-Chlorophenol and p-chlorophenol were also increased 1 cent per pound.

Demand for the tar acids were still strong. Producers were moving cresols and cresylic acid out as fast as they were made. The well established cresylic resin demand and additional needs for tricresyl phosphate taxed market supplies. Except for the naphthalene increases, all coaltar products were very settled, pricewise.

Benzol demand remained unchanged last week. Consuming outlets showed good buying interest as insecticide producers and synthetic rubber makers maintained active demand. Reports of price weakening supposedly caused by the availability of imported benzol were vigorously denied by industry sources last week. Civilian toluol buying was at a good level and military inquiry was also on the upswing, it was reported. Most intermediates were considered in good condition, with phthalic anhydride leading the pace.

Steel production for the week ending September 4 was scheduled to be at 93.8 percent of theoretical capacity, or an index of 140.9, according to the American Iron and Steel Institute. This equalled 2,264,000 tons, compared with 2,186,000 tons the previous week, 2,098,000 tons one month ago, and 1,525,000 tons one year ago.

Basic Products

Benzol—Demand remained unchanged during the past week. Consuming outlets showed good buying interest in most areas. Insecticides calls were better for a number of benzol producers despite the fact it is off-season. Indications were that large quantities of DDT were being exported. Synthetic rubber production, the largest market for benzol, is presently at a very high level.

Good interest was noted in benzol from polystyrene plastics. Phenol resins and adhesives were showing slight indications of more firmness. Current price schedules for this aromatic were steady. More production has resulted from the high steel producing rates. Reports that large quantities of imported benzol were causing some price weakening were denied by producers. They stated that demand is great enough to withstand any price pressure from available foreign material. Most sources looked for a firm position through the rest of this year.

Cresols—Sales of tar acids continued to hold up very well. Demand from cresylic resins and tricresyl phosphate was quite strong. The total call from these outlets and other consuming channels has been slightly greater than available supplies, trade sources reported. Price listings held firmly to previous levels. A steady price pattern was expected for the remainder of the third quarter and probably the fourth.

Cresylic Acid — Domestic producers were striving to keep up with consumption needs for various grades of acid. Buying interest from resins, tricresyl phosphate, engine cleaners, wire enamels, flotation uses, and disinfectants represented a wide range of uses that kept the market rather tight.

Importers indicate that sales of ADF material have been good too. The overflow of demand from the domestic market in some areas added to the regular market ADF cresylic maintains even in slower periods. Supplies of meta-para fractions were in demand, but could not be obtained in adequate quantities to meet demand. Prices were firm on both the domestic and imported levels.

Naphthalene — The price of domestic crude naphthalene was advanced ¾c. per pound for spot material on September 1 and on contract effective October 1 by the last of the major producers, it was announced last week. The other producers had made the ¾c. increase on July 1. Because all had not gone along with the advance it was necessary to carry a range in prices current between the old and the new listings. Now, however, the range has been eliminated and one listing is carried in the prices.

The new listings for crude naphthalene, domestic, 74° in tankcars, freight equalized, is 7c. per pound. For 78° material, carlots, same basis, the price is 7½c. per pound, less than carlots at 7¾c. per pound, and in tankcars at 7c. per pound.

The same major producer advanced the price of industrial refined naphthalene 1c. per pound. This was also in accordance with the July 1 advance by other producers. The price range in these grades has been eliminated. For industrial refined material, chipped or crushed, bags, freight equalized, the new listing is 12½c. per pound, flake at the same basis is 13½c., and in tankcars at 11¾c. per pound.

There were no price adjustments in foreign material. The current nominal listing of 6¾c. per pound was maintained, although trade sources stated that some imported naphthalene was moving at a 7c. per pound price. There is much resistance to the higher price, however, and no indications of a outright price increase could be seen.

Phenol—Both natural and synthetic phenol producers announced that effective October 1 on contract, the price of phenol will be advanced 1 cent per pound. This is the 1 cent advance that was supposed to have taken effect July 1, but actually did not stick.

With respect to phenol price listings which have appeared in OPD during the third quarter and will continue until October 1, it should be noted that on all grades of both natural and synthetic, we show a 1 cent per pound price spread. This was done because the inside price column shows the old price levels at which practically all business was done, whereas the outside column of prices shows the new levels to which phenol was advanced by announcement July 1, but were never officially withdrawn even though they did not become effective in actual sales. Hence September 1 on spot and October 1 on contract, the prices currently shown in the outside price column will be in effect. As of October 1, no material should be moving at the old price level, and the current inside column of prices will be deleted.

Pitch—Due to increased operating costs, pitch prices, east of the Rockies, will be advanced by a major producer as of October 1, it was announced last week.

Pitch for the aluminum industry with the following melting point ranges will be increased $2 per ton. 125-140° F. to a new listing of $38 per ton; 140-150°F., $37.50 per ton; 150-170°F., $37 per ton; 159-190° F., $36.50 per ton; 190-200°F., $36 per ton.

Material with a melting point range of 200-220°F. will be advanced $2.50 per ton to a new price of $36 per ton. A $3 per ton increase in pitches with the following melting point ranges will also be made October 1. 220-230°F., 230-250°F., 250-

Price Trends

Advanced

Acid, 2,3-cresotic, 4c. per lb.
o-Chlorophenol, 1c. per lb.
p-Chlorophenol, 1c. per lb.
Naphthalene, crude, ¾c. per lb.
Indust. refined, 1c. per lb.

Reduced

None

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Sept. 3, 1954
114.78	114.75	114.73	114.57

(*For Current Prices see Page 9*)

Coal Chemicals

Estimated output of coal chemicals recovered from cokeoven operations during the week ending Sept. 4, was as follows:—

Ammonia liquid, NH_3	lbs.	1,056,054
Ammonium sulfate	lbs.	38,169,794
Benzol	gals.	3,650,928
Coaltar	gals.	16,745,993
Creosote oil	gals.	935,362
Naphthalene, crude	lbs.	2,579,788
Pyridine, refined	lbs.	27,156
Toluol	gals.	718,116
Xylol	gals.	191,598

For Late Market Developments, See Page 4

280°F.: and 280-330°F. will be advanced from $33 to $36 per ton.

Toluol—Civilian consumption has been at fairly good levels for some time. Military buying was at a good pace for the past few months. There was enough strength in the market to keep prices at steady levels. Stocks of material were described as adequate to meet any demand, but were in no way to be considered excessive, trade sources indicated. Some producers stated that they were in very good shape on toluol and other aromatics.

Intermediates

o-Chlorophenol—The price of this intermediate was increased 1c. per pound last week. The new listings for drums, carlots, freight equalized, is 35½c. per pound. For less than carlots, same basis, the price is 36½c. per pound. Producers stated that demand was fairly good for this speciality item. It is used in the manufacture of various dyestuff intermediates and in the production of catechol.

p-Chlorophenol—An announcement last week stated that there was a 1c. per pound advance in the price of this material. The new listing for material in drums, carlots, freight equalized, is 35½c. per pound. For less than carlots, same basis, the price is 36½c. per pound. Demand from dyestuff intermediate users helped to firm the market, producers stated. The material is also used in the manufacture of a fungicide.

2,3-Cresotic Acid—An increase of 4c. per pound was announced last week for this material. Sometimes referred to as orthocresotinic acid or just o-cresotinic acid, the new prices are 70c. per pound for material in ton lots at works, and 72c. per pound for less than ton lots at the works. Producers stated that demand has been steady and production is meeting most of the inquiry with little difficulty.

H Acid—There was a slight increase in orders for this material last week. The buying inquiry was returning to normal after vacation shutdowns in many textile plants where the material is used. A similar rise in interest was felt for a lot of chemicals which go to colors and printing pigments following the vacation periods. Demand was expected to pick up a bit more as the fall clothing season approached. Prices did not change during the summer cutbacks.

Phthalic Anhydride — The market for this intermediate was still in very tight supply. A strong demand developed as automobile production increased earlier in the year and has not let up to any great extent since. Alkyd resins and plasticizers were both moving very well. As long as automobile output is maintained at present high rates, producers expected demand to hold up very well. Phthalic prices have not shown any signs of upward activity despite the recent advances in naphthalene by most major producers. There were no definite statements being made, however, on how long the phthalic prices would remain firm.

2-Vinyl Pyridine—Suppliers were moving production at a very good pace. The rubber industry has maintained active demand for the material where it is used in bonding tire cords. The high activity in the rubber industry was providing a steady market. Vinyl pyridine was also showing a normal growth in total market needs. Prices were firm and unchanged.

Cyclic Chemicals Output: June

The following production statistics on coal chemicals indicate output in June 1955, compared with May. Figures originate in a report to the Tariff Commission and represent total production from all sources, unless the specific sources are indicated.

	Production June	May
Acetanilide, tech., and USP, lbs.	.....	377,326
Aniline ..... lbs.	11,429,090	10,426,042
Benzol (specification and industrial grades):—		
Tar distillers .. gals.	2,189,516	1,780,249
Petroleum operators . gals.	9,765,683	9,221,919
Cokeoven operators .. gals.	14,754,609	14,692,176
Total ..... gals.	26,709,808	25,694,344
Creosote:—		
Tar distillers .. gals.	9,465,720	7,741,888
Cokeoven operators .. gals.	3,548,208	2,938,699
Total ..... gals.	13,013,928	10,680,598
Cresols:—		
Meta-para ..... lbs.	1,481,047	1,836,436
Ortho-meta-para ..... lbs.	1,002,707	722,194
Cresylic acid, refined .. lbs.	4,816,058	4,630,778
Dyes (commercial concentrations):—		
C.I. 202 Chrome blue black R conc lbs.	139,140	213,213
C.I. 581 Direct black EW, lbs.	625,009	597,316
Pr. 302 Naphthol AS .. lbs.	87,604	68,655
Monochlorobenzene .... lbs.	39,625,403	40,431,919
Naphthalene crude (solidifying at less than 79°C.):—		
Tar distillers ..... lbs.	19,167,781	22,535,302
Cokeoven operators .. lbs.	16,739,665	12,909,493
Total ..... lbs.	35,907,446	35,443,795
Refined (solidifying at 79°C. and over):—		
Tar distillers ..... lbs.	7,645,147	9,225,414
Phenol (synthetic and natural), tech. and USP .. lbs.	45,114,285	44,825,654
Phthalic anhydride ..... lbs.	24,850,800	29,338,939
Styrene (government and privately-owned plants combined) ..... lbs.	83,201,072	87,707,345
Toluol:—		
Cokeoven operators .... gals.	3,335,169	3,320,763
All other sources .. gals.	12,283,080	12,528,191
Total ..... gals.	15,618,249	15,828,954
Xylol, crude:—Coaltar and petroleum derived gals.	7,146,262	10,607,794

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Selections for Your Bookshelf

SO PEOPLE MAY PROSPER. Heavy paper; 36 pages, 8½x11 in. New York: National Association of Manufacturers. $1.

NAM calls this publication a special report on a program for national growth. It has to do with the necessity, or responsibility, to turn out a total of goods and services commensurate with the needs twenty years hence arising from an increase of at least 30 percent in the population of this country and a corresponding expansion in the demand for jobs.

In its seven keys to prosperity the association quite naturally lays emphasis upon investment capital and productive capacity. But, it also pays due attention to the real big job of business—the converting of purchasing power—whatever its derivation—into purchasing.

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INDUSTRIAL AND MANUFACTURING CHEMISTRY—ORGANIC. Seventh Edition. By Geoffrey Martin, revised by Edward I. Cooke. Cloth; 752 pages, 6 x 9½ in. New York: Philosophical Library. $17.50.

This book is written by British authors and is divided into sections as follows:—Oil, Fat, Varnish and Soap Industry; Sugar Industry; Starch Industry; Cellulose Industry; Fermentation Industries; Charcoal and Wood Distilling Industries; Turpentine and Rosin Industry; Industrial Gums and Resins; Rubber Industry; Aliphatic Chemicals; Fuel Gas Industry; Industry of Synthetic Colouring Matters; Natural Dyestuffs; Paint and Pigment Industry; Textile Fiber Bleaching and Waterproofing Industries; Dyeing and Colour Printing Industry; Leather and Tanning Industry; Glue, Gelatin and Albumen Industry; Modern Synthetic Drugs; Plastics Industry; Photographic Chemicals; Tobacco Industry.

The book contains a large amount of interesting information, reflecting the British way of doing things in these industries. It should not, however, be regarded as in line with modern American industrial chemical operations.

THE HARD-SURFACE FLOOR-COVERING INDUSTRY. By Robert F. Lanzillotti, Associate Professor of Economics, State College of Washington. Cloth; 204 pages, 6 x 9 inches. Pullman, Wash.: State College of Washington Press; $4.

Dr. Lanzillotti, who received his Ph.D. from the University of California, and is the author of "Production and Marketing of Asphalt Tile," has long been a close student of the hard-surfaced flooring industry.

Accordingly, he is well qualified to present an overall picture of trade practices in the flooring industry. This volume discusses comprehensive data on the hard-surface floor-covering industry with respect to selling concentration, pricing practices, price determining factors, and interfirm price relationships. Profits, investment, factors affecting location of producers, trends in production and consumption, and related items are discussed.

Attention is focussed on the effectiveness of competition in the industry with a few large firms and many fringe competitive factors. The book features the importance of multiproduct operations in the American economy.

BUILDING A BALANCED COMMUNICATIONS PROGRAM—General Management Series No. 170. Paper; 44 pages, 6x9 in. New York; American Management Association. $1 (members), $1.25 (nonmembers).

REPORTS TO TOP MANAGEMENT ON EFFECTIVE PLANNING AND CONTROL. Paper; 117 pages, 6x9 in. New York: American Management Association. $2.50 (members), $3.75 (nonmembers).

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Agricultural Chemicals

Two producers of phosphate rock and phosphates remained out on strike in the Florida area last week, and three others which had been on strike went back to work. Those producers still affected by the walkout as yet had not adjusted prices of rock, but others boosted listings to cover increases in fuel oil and labor.

High grades of phosphate rock were said to be in tight supply, but other grades were more plentiful, and not a source of worry to producers. Demand for nitrogenous materials was in accord with the season during the week, and markets were slow with no fresh developments reported.

Some castor pomace was once again offered after a long period of dearth. However, the situation was not expected to improve, as domestic production of castor oil was hampered by heavy imports of Brazilian oil. Dried blood declined at Chicago, with sales reported at the lower price. Hoofmeal was higher due to demand from other than agricultural sources.

The pesticides market was unsettled last week. Trade sources were apprehensive concerning future pricing in the domestic market due to low prices at the formulators' level.

Price Trends

Advanced

Hoofmeal, 25c. per unit-ton.
Phosphate rock, Florida, 6c. per unit.

Reduced

Blood, dried, Chicago, 25c. per unit-ton.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Sept. 3, 1954
110.78	110.78	110.82	110.40

(*For Current Prices see Page 9*)

Animal and Plant Foods

Ammonia, Anhydrous—Agricultural demand was slack, industrial inquiry held up well. Production of synthetic anhydrous ammonia in June declined to 261,285 tons, from 296,799 tons produced in May, but was considerably higher than the 216,786 tons produced in June, 1954, according to the Bureau of Census. Stocks in the hands of producers June 30 totaled 67,656 tons, as against 60,066 tons on hand at the end of May.

Ammonium Nitrate—There was little doing in the domestic market. Recent shipments for export were thought to have kept supplies from being overly lengthy. Prices were unchanged.

Production of fertilizer grade ammonium nitrate in June declined to 129,765 tons from the 135,265 tons manufactured in May, but was above the 116,189 tons produced in June, 1954, according to the Bureau of Census. Production of all other grades of nitrate in June amounted to 25,139 tons, as against 30,288 tons in May, and 19,187 tons in June, 1954. Stocks of fertilizer grade nitrate on hand at the end of June totaled 80,004 tons, as compared with 33,373 tons on hand at the end of May. Supplies of all other grades on hand at the end of June amounted to 5,961 tons, as against 7,391 tons at the end of May.

Ammonium Sulfate—Prices for cokeoven and synthetic ammonium sulfate were unchanged last week. Buying interest was spotty, in keeping with the off-season. Production of synthetic technical ammonium sulfate in June declined to 90,375 tons from the 104,138 tons produced in May, but was considerably higher than the 58,439 tons produced in June, 1954, according to the Bureau of Census. Stocks of synthetic sulfate on hand at the end of June totaled 47,570 tons, as against 40,385 tons on hand at the end of May.

Animal Protein—Sales were reported at lower prices last week for dried blood at Chicago, with a decline of 25c. per unit-ton. Although fertilizer demand for hoofmeal was not too active, buying interest for other purposes brought the market up 25c. per unit, with the meal newly quoted at $6.25 per unit. Fishmeal and scrap were still tight, and producers reported that prices were remaining nominal, as there was little available on spot.

There was some castor pomace offered at $40 per ton on spot last week, but offerings continued limited due to scarcity of beans for crushing, as well as reluctance of domestic mills to make oil in competition with imported Brazilian oil. The tankage market showed a fair amount of activity, with sales reported at prevailing prices.

Phosphate Rock—All but two of the phosphate producers in Florida had returned to work last week, but the two which remained out were the two largest producers of high grade rock. As a consequence, 78-76 percent b.p.l. was said to be in tight supply. As producers of rock settled, costs of increased labor and another increase in fuel oil were passed along to the consumer in escalator clauses on contract.

Fuel oil, boosted 15c. per barrel July 27, was again raised between August 8 and 10 by 12c. per barrel, thus tacking on an across the board increase of 6c. per unit for all types of phosphate rock. With the increases of labor, some companies added on another 24c. per unit to the price, bringing into effect a total increase of 30c. per unit on all grades of rock.

It was pointed out that current prices were not uniform, and displayed a range, due to some producers' wait-and-see attitudes concerning settlement of the wage dispute between the union and the two large producers still on strike. With the 6c. per unit increase due to fuel oil increases in rock, 68-66 percent b.p.l. was raised to $4.82 per unit; 70-68 percent, $5.22 per unit; 72-70 percent, $5.87 per unit; 75-74 percent, $6.87 per unit; 78-76 percent, $7.87 per unit.

Some producers added increases in labor, resulting in added boosts for material. With the 24c. rise added, 68-66 percent listed at $5.06; 70-68 percent, $5.46; 72-70 percent, $6.11; 75-74 percent, $7.11; 78-76 percent, $8.11.

The following figures in short tons (2,000 pounds of 100 percent a.p.a.) indicate production, disposition, and stocks of superphosphate, as reported by the Bureau of Census.

Normal	Production	Shipments	Stocks
June	97,833	37,351	191,608
May	132,054	67,018	162,247
June, '54	123,075	45,573	197,344
Enriched			
June	1,497	613	3,436
May	5,303	1,175	3,443
June, '54	*	*	*
Concentrated			
June	46,167	30,374	98,058
May	73,024	39,832	81,544
June, '54	46,266	30,594	56,326
Wet-Base Goods			
June	222	235	758
May	437	571	788
June, '54	156	72	1,057
Total			
June	147,744	68,573	293,860
May	210,818	108,646	243,022
June, '54	169,497	76,239	254,727

* Data for enriched superphosphate included with normal prior to July, 1954.

Potash—The market continued quiet, with prices stable. Demand was expected to show some improvement for the fall mixing season over the next few weeks. Meanwhile, producers built stocks.

Urea—Demand for agricultural urea was slow, in accord with the time of year. Prices for 45 percent urea were unchanged following recent reductions. Industrial urea prices of long standing held without change. Demand for use in synthetic resins continued to feature the industrial urea market, and strong interest was maintained for large quantity shipments.

Los Angeles Market

Organic materials continued easy with no price changes reported. Imported and domestic fish meals were moving fairly well with supplies adequate. A slight increase in interest was reported for organic items slanted towards fall business. Quotations were firm and unchanged from the previous report.

Pesticides

The boll weevil continued to damage cotton in the eastern third of Texas, and infestations continued to increase in Oklahoma, Mississippi, and Arkansas, according to the Cooperative Economic Insect Report. Bollworms increased on cotton in wide areas in several states including Arizona and New Mexico.

Feeding of the second-generation corn borer was underway in several corn belt states. Moth emergence was 85 percent complete in South Dakota, 40 percent in North Dakota and about complete in south central and southwest districts of Minnesota. The Fall armyworm was reported seriously damaging corn in Louisiana.

Meanwhile, domestic trade continued to taper off, and prices at the formulators' level were reportedly all over the lot following a period of firmness in which demand had been strong and supplies of some materials short.

For Late Market Developments, See Page 4

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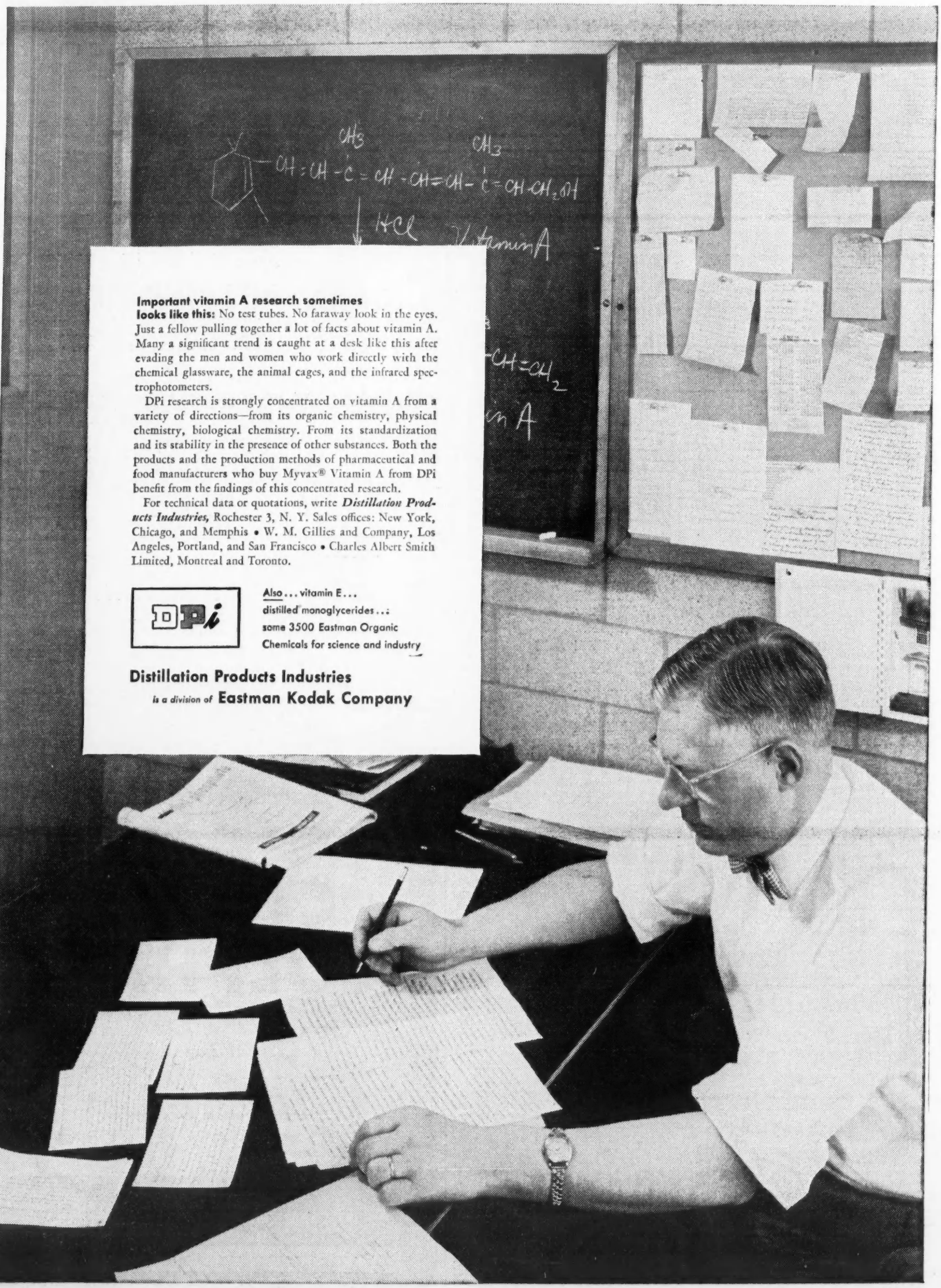

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There was mild flurry of price activity in the market last week as bromides and salicylates increased in price. Rises were reported for ammonium, calcium, lithium, potassium, sodium and strontium bromides. The salicylate advances included sodium, strontium and salol (phenyl salicylate). Monobromated camphor went up in price too.

In general, activity for drugs and fine chemicals was at near routine levels. There has not been much evidence so far of increased activity. However, the summer slowness was felt to be past, now that the Labor Day holiday has been reached. The normal seasonal pattern for pharmaceuticals would lead trade sources to look for a gradual pick-up in buying interest. This appears to be the outlook now.

Consumers were buying steadily on a hand-to-mouth basis. Trade sources said demand should be better in another month's time. Some slight evidences of an upturn were being looked for now.

Agar prices were reported firmer. Some increases at the primary source have not reflected in an advance for Kobe No. 1 yet. Demand for ascorbic acid was holding up well at a good pace. Production and sales of aspirin were fairly good.

Antibiotics continued to show the effects of summer dullness in the trade. Supplies of penicillin, streptomycin and dihydrostreptomycin were good. Producers looked for more activity as fall business gets under way. Saccharin demand was steady. Supplies were adequate.

Vitamins were not changed significantly. Demand was still routine. More buying interest was looked for with the seasonal comeback. Further expansion of demand was eventually hoped for as a result of earlier price reductions.

Price Trends

Advanced

Ammonium bromide, 1c. per lb.
Calcium bromide, 4c. per lb.
Camphor, monobromated, 55c. per lb.
Jalap root, 7c. per lb.
powd., 6c. per lb.
Lithium bromide, 14c. per lb.
Potassium bromide, 1c. per lb.
Salol, 5c. per lb.
Sodium, bromide, 1c. per lb.
salicylate, 3c. per lb.
Strontium, bromide, 6c. per lb.
salicylate, 10c. per lb.

Reduced

None

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Sept. 3, 1954
66.49	66.48	66.48	68.81

(*For Current Prices see Page 9*)

Agar—Suppliers indicated that there were no price revisions for Kobe No. 1, although there has been an increase at the primary source. It was felt that the continuing firmness could effect the price schedules here in time.

Ammonium Bromide—Prices for the NF granular material were advanced 1c. Current quotations in barrels are at 40c. per pound. The move was made effective immediately on spot material and took place simultaneously with increases for other bromides.

Ascorbic Acid—Demand was holding up well. Prices were unchanged. Supplies were sufficient to handle current market activity. No immediate changes were expected in consumption levels or price schedules.

Production of ascorbic acid and salts totaled 195,792 pounds in June, as compared with 219,560 pounds in May, figures received from the Tariff Commission relate.

Aspirin—Producers reported that there was no significant change in this market. Demand was fairly good and holding to a steady level. Prices were firm and unaltered. Supplies were adequate for the demand. Production was sufficient and remained steady at a good level.

June production of acetylsalicylic acid totaled 1,406,465 pounds, compared with output of 1,413,202 pounds in May, according to figures released by the Tariff Commission.

Benzocaine—Demand continued to hold to a routine level. Suppliers anticipated a little more activity to start in the weeks that are immediately ahead. A traditional seasonal upswing in the drugs and pharmaceutical lines normally follows the Labor Day holidays. Prices were unchanged and steady.

Calcium Bromide—Prices were advanced 4c. per pound last week. The new quotations for NF grade in jars ranged from 94c. per pound to 98c. per pound.

Calcium Salicylate—Prices were increased 10c. per pound resulting in quotations of $1.95 per pound in drums.

Camphor, monobromated—An increase of 55c. per pound in the price schedule resulted in a new range of quotations last week. NF grade in kegs or drums was quoted in a range of $3.25 to $3.67 per pound.

Lithium Bromide—Advances for bromides were reflected in this market. An increase of 14c. brought drum prices for NF material up to $2.30 per pound, freight equalized.

Molasses—Feed molasses demand continued moderate at most terminals during the week ending August 23, 1955. East coast blackstrap demand held steady after some improvement a week ago. Gulf coast demand was generally slow to moderate. Prices for blackstrap were steady and unchanged on east and west coast. New Orleans blackstrap price continued at mostly 10½c. per gallon, and at Albany 13c. per gallon. Supplies of blackstrap were adequate at all terminals. Sales of Puerto Rican blackstrap have now been reported at 7½c. per gallon, f.o.b. mill tank. These sales were made during the week ending August 12, 1955.

Penicillin—Bulk material continued to move along at a steady rate. Demand was seasonally slow, but holding at current levels. More activity was anticipated in a month or so. The beginnings of increased activity in pharmaceuticals are normally looked for following the Labor Day holiday. Some sources felt that a good number of pharmaceutical houses were closing for the entire month instead of only closing for the two weeks vacation period in August.

In the meanwhile, supplies were ample enough to take care of all consumption needs. Prices quoted in previous weeks were still applicable to today's market.

Total production of penicillin and salts, bulk material only, was 26,433,212 million international units in June, figures from the Tariff Commission relate. In May the total had been 24,517,461 million international units.

Potassium Bromide—A general upward move for bromide quotations was reflected in the market for the potassium salt. Current schedules, following a 1c. increase, were at 36c. per pound for USP granular.

Saccharin—Demand was reported to be steady at a fairly good level. Sales were running along at expected levels, producers indicated. Supplies were adequate to take care of consumption requirements. Prices were firm without change. No immediate changes were anticipated in the market, either in pricing or supply and demand relationships.

Salol—Prices rose 5c. per pound early last week. The move for phenyl salicylate was in line with advances for methyl and sodium salicylates, as prices were brought up to take care of increased raw material and production costs.

Current schedules for NF granular salol (phenyl salicylate) were at $1.15 per pound. The powder retained the same 25c. differential and was quoted at $1.40 per pound in barrels.

Sodium Bromide—Increases for sodium and potassium bromides were reported to be in line with similar moves for other bromides. A 1c. advance for the sodium salt brought USP quotations up to 36c. per pound.

Sodium Salicylate—Producers advanced schedules 3c. for this salicylate simultaneously with a move for methyl and phenyl esters of salicylic acid. The new schedule for the sodium salt ranged from 71c. to 74c. per pound, the smaller drum quantities moving on the outside of the range.

Streptomycin—Producers related that there was no change in the market. Demand was steady but seasonally weak. It was generally felt that buying interest would begin to pick up after Labor Day, when drugs and pharmaceuticals traditionally show a seasonal upswing. "Demand will be better in a month or so," a supplier added.

Trade sources indicated that there were adequate supplies to take care of demand for streptomycin and the large volume dihydrostreptomycin. This was in line with overall good supplies of most antibiotics, it was said.

Output of streptomycin in June amounted to 4,820,153 grams, Tariff Commission

For Late Market Developments, See Page 4

BROMINE AND DERIVATIVES

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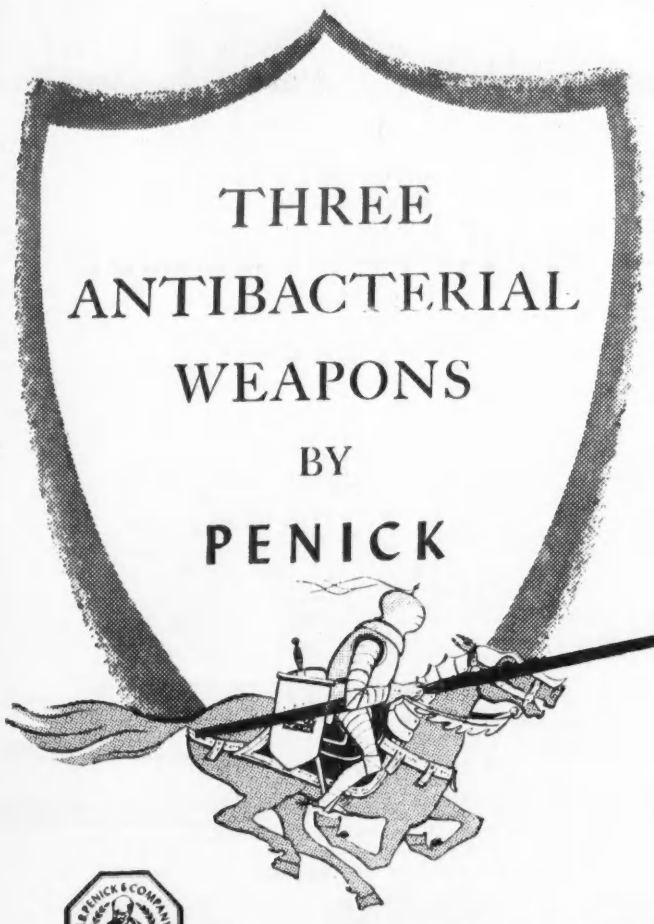

1

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2

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3

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figures indicate. In comparison, May production was 4,832,000 grams.

June production of dihydrostreptomycin amounted to 14,289,610 grams. In comparison, May output was 11,954,500 grams.

Strontium Bromide—In a move corresponding to rises for other bromide quotations, this material advanced 6c. per pound. Current quotations ranged from 75c. per pound to 84c. per pound for NF material in cans or drums.

Strontium Salicylate — An increase of 10c. per pound followed the trend of other salicylates. Producer quotations last week were at $1.75 per pound.

Vitamins—There was no significant change in the market for various vitamins following price reductions earlier. It was hoped that the lower schedules would expand usage. However, some materials such as riboflavin and thiamin were not expected to achieve immediate results from pharmaceutical outlets. This was true because of delays caused by the long "pipelines in pharmaceuticals," it was said. Then too, the summer dullness in market activity has not given the lower costs a full chance to work yet. More precise knowledge was expected later when fall business is in full swing.

Botanicals

A shortage of Jalap root supplies resulting from poor yields at the origin was aggravated because some of the small available supply was of low quality, it was said. The pinch on supplies caused prices to jump several cents last week.

There was no other price activity reported for the botanicals group last week. Most of these materials were still under the influence of summer softness. The bare beginnings of any stirring of the normal seasonal upturn were noted by such a move as made in Jalap root. However, for the most part, there has not been too much improvement in demand yet. Suppliers described the market as still quiet.

August was normal, in that many of the pharmaceutical concerns were shutdown for vacation periods. Some shutdown for the entire month. Meanwhile, demand stayed on a hand-to-mouth basis. It was felt that the pickup of momentum for fall business will be a gradual affair.

Buchu Leaves—There were ample supplies to take care of incoming orders. Demand was routine and steady. Activity was felt likely to start to show some improvement in the next few weeks. Prices were firm without change.

Cascara Sagrada—There were no noticeable changes in this market. Activity for most botanicals was said to be relatively quiet. Current sales to drug and pharmaceutical manufacturers were at routine levels. The seasonal lull for vacations and maintenance operations that takes place during August has kept the markets quiet.

Most trade sources were looking for a pickup to start soon. It was said that business traditionally begins to come alive again following the Labor Day holiday.

Ipecac—Supplies were presently felt to be adequate to meet consumption needs. Stocks had been short a while back, but that situation has been remedied. The market has not completely loosened up, which was evident in the high prices, a source stated. However, the general tone of the market was easier.

Jalap Root—Continued scarcity of this root, plus the fact that some of the small supply available has been turning up deficient in quality, resulted in higher prices last week, suppliers reported. Quotations were on the basis of 45c. to 55c. per pound. The powdered material was available from 55c. to 65c. per pound.

Licorice Root—Market activity was steady. Demand levels were routine. Prices remained unchanged at previous quotations. There were ample supplies to take care of all consumption requirements.

Mandrake Root—Supplies had been a bit tight due to the fact that collections this year were below expectations. But, trade sources indicated that supplies have loosened up sufficiently to take care of current demand. Prices were firm and steady at previous levels.

Sarsaparilla—Demand was holding to a steady level. Supplies were not as short as they had been when the peak buying for the soft drink industry was going on. This and other flavoring agents continue to enjoy a steady call from soft drinks.

White Pine Bark—Supplies appeared to be ample for expected manufacturer's needs this fall. Production of cough and cold preparations is about to start into the normal seasonal upturn for fall business.

Antibiotic Rules Changes Are Announced by FDA

In amendments to its certification regulations, Food and Drug Administration last week approved the marketing of a number of new antibiotic preparations and made provisions in the rules relating to their tests and methods of assay.

The new products are chlortetracycline hydrochloride spray dressing; bacitracin tablets and zinc bacitracin tablets; bacitracin suppositories and zinc bacitracin suppositories for vaginal use; bacitracin and zinc bacitracin implanation pellets for use under the skin of animals; bacitracin-neomycin tablets, and zinc bacitracin-neomycin tablets.

Parke, Davis Promotion Post Goes to Sorenson

Parke, Davis & Company, Detroit, Mich., has appointed Arthur N. Sorenson assistant to the manager of the promotion department. Mr. Sorenson will assist Walter L. Griffith, department manager, in general promotion activities with particular emphasis on the development of sales promotion material.

Mr. Sorenson joined Parke-Davis in 1948 as a representative in the firm's Seattle, Wash., branch. He was assigned a sales territory in Portland, Ore., and in 1951 was given a hospital territory in the same city. Mr. Sorenson was promoted in 1953 to field manager for the Seattle branch and assigned to Portland. A year later, he was transferred to the same assignment in Seattle, where he has been until his present appointment.

AEC Defines the Scope Of Its Advisory Boards

The Atomic Energy Commission last week issued a regulation defining the scope, procedure and limitations of the authority of its advisory boards.

The atomic energy act of 1954 gives AEC the right to name boards to advise and make recommendations to the commission on legislation, policies, administration, research and other matters.

The rule issued last week is based on recommendations of the Attorney General concerning regulatory controls to be maintained by government agencies over industry advisory committees so as to minimize the possibility of violation of antitrust laws.

Felton Expanding in Mexico

Felton Chemical Co., Inc., Brooklyn, N. Y., is expanding its distribution facilities in Mexico with a move into new and larger quarters in Mexico City at Bahia de Todos Los Santos No. 174-A. Felcomex, S. A., Felton's Mexican operation, is launching a new merchandising plan to increase the volume of sales of Felton products in that country.

ACS South Texas Unit

—Continued from page 7

Natural Fibers," and "Using the Epoxy Resin."

A symposium on operations research will be offered in the afternoon. Included in this session will be a talk on "Automation." Concurrently with the operations research symposium there will be a student session which will feature discussions on "Technics of Interviewing" and on "Employment of Chemical Engineers in Allied Fields."

A large group of industrial exhibits selected for their educational value will be displayed in the hotel lobby to acquaint registrants with new products and new processes. The all-day meeting, which is expected to attract more than 500 delegates, will end with a social hour in the evening followed by a banquet. G. A. Mabry, manager of advertising and public relations for Humble Oil & Refining Company, will be the banquet speaker. The title of Mabry's address will be "Of Public Relations—Don't Stop Me If You've Heard . . ."

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ALOE—37 cs, Kellys America Ltd, London
AMMONIUM BICARBONATE—100 dms, Chemical Manufacturing Co, Glasgow
PERSULFATE—100 dms, Riches Nelson, Rotterdam
AMYRIS OIL—4 dms, Port Au Prince
1 cs, Port Au Prince
ANILINE DYES—28 dms, Hensel Bruckmann & Lorbacher, Hamburg
11 cs, C A Maynes, Hamburg
70 dms, Rotterdam
ANISE SEED—100 bgs, Chemical Bank, Malaga
200 bgs, Malaga
ANTIMONY—200 cs, C Tennant Sons & Co, Havre
REGULUS—30 cs, C Gitlan, Antwerp
ARABIC GUM—350 bgs, Irving Trust Co, Port Sudan
250 bgs, National City Bank, Port Sudan
30 bgs, Manufacturers Trust Co, Port Sudan
ARGOLS—3,000 bgs, Tartaric Raw Materials, Brindisi
500 bls, Catania
ARROWROOT—5,850 bgs, Morningstar Nicol, Kingston
ASCORBIC ACID—14 dms, Tuteur Bio Chemicals Inc, Yokohama
10 cs, Southampton
BARBASCO ROOT—71 bls, National City Bank, Callao
BARIUM OXIDE—48 dms, Union Carbide & Carbon Corp, London
BAY OIL—1 dm, Givaudan Corp, Dominica
BEESWAX—35 bgs, Lenape Trading Co, Santiago
177 bgs, Smith & Nichols, Valparaiso
90 blks, Djibouti
20 bgs, Vera Cruz
100 bgs, Santiago
BENZOIN GUM—10 cs, Parke Davis & Co, London
BERGAMOT OIL—10 hf cs, Antoine Chiris & Co, Messina
BISMUTH—71 bxs, Cerro de Paso Corp, Callao
SUBNITRATE—1 dm, Rhodia Inc, London
BLANC FIXE—300 bgs, C J Osborn Co, Rotterdam
BONE—100 etns, Guaranty Trust Co, Kobe
ASH—10 bgs, Gallard Schlesinger, Hamburg
CADMIUM—351 cs, W R Grace & Co, Venice
80 cs, Chase Manhattan Bank, Yokohama
CAMPHOR OIL—15 dms, J Berlage, Keelung
15 dms, George Uhe Co, Keelung
10 dms, Magnus Mabee & Reynard, Keelung
CANDELILLA WAX—375 bgs, Tampico
CAPROLACTAM—1 cs, Hensel Bruckmann & Lorbacher, Bremen
CARAWAY SEED—200 bgs, Louis Furth, Rotterdam
CARNAUBA WAX—112 bgs, Globe Shipping Co, Rio de Janeiro
CASEIN—1,000 bgs, Borden Co, Buenos Aires
3,000 bgs, Zinvar Corp, Buenos Aires
1,000 bgs, Buenos Aires
CASSIA—376 pkgs, Karl H Landes & E Balint, Rotterdam
278 bls, R J Spitz, Rotterdam
140 pkgs, Rotterdam
CASTOR BEANS—5,079 bgs, Baker Castor Oil Co, Salvador
OIL—287 tons, Archer Daniels Midland Co, Rotterdam
CHESTNUT EXTRACT—103 bgs, Barkey Importing Co, Genoa
CITRONELLA OIL—35 dms, Garrigues Stewart & Davies, Keelung
CLAY—2,400 bgs, Avonmouth
COCONUT OIL—325 tons, Lever Bros, Manila
COD LIVER—1,300 dms, Silmo Chemical Corp, St Johns
OIL—100 dms, Nopco Chemical Co, St Johns
170 tons, Dyson Shipping Co, Reykjavik
75 dms, Dyson Shipping Co, Reyjavik
COPAL GUM—42 bgs, Wm H Scheel, Singapore
40 bgs, S Winterbourne & Co, London
9 bgs, O G Innes Corp, Antwerp
CRESYLIC ACID—50 dms, Koppers Co, Glasgow
106 tons, H A Gogarty, Avonmouth
CUTRILIN ENZYMATE—56 chts, American Cyanamid Co, London
DAMMAR GUM—210 bgs, O G Innes Corp, Singapore
DEXTRIN—50 bgs, Chase Manhattan Bank, Rotterdam
EARTH COLOR—1,935 bgs, Naftone Inc, Bremen
EUCALYPTUS WOOD EXTRACT—2,420 bgs, Tanoco Inc, Fremantle
FUEL OIL—297,711 bbls, Shell Caribbean Petroleum Co, Punta Cardon
10,000 bbls, Asiatic Petroleum Corp, Curacao
FULLERS EARTH—400 bgs, L A Salomon & Bro, London
GALL, OX—1 dm, International Packers Ltd, Melbourne
2 dms, International Packers Ltd, Brisbane
GELATIN—200 bbls, Coignet Chemical Co, Antwerp
60 dms, D H Burdett, Avonmouth
10 dms, Hensel Bruckmann & Lorbacher, Rotterdam
GINGER—100 bgs, London
GLUE—200 bgs, M Corbett & Co, Marseille
GLYCERINE—62 dms, Iida & Co, Kobe
GRAPHITE—100 bgs, C Pettinos, Havre
GUAYACO OIL—4 cs, Norda Essential Oil & Chemical Co, Vera Cruz
GYPSUM—5,653 tons, U S Gypsum Co, Little Narrows
11,700 tons, U S Gypsum Co, Hantsport
10,100 tons, National Gypsum Co, Halifax
2,625 tons, Newark Plaster Co, Walton
100 bgs, A Gusmer, London
HAYATA LEAF OIL—4 dms, Norda Essential Oil & Chemical Co, Keelung
IRON OXIDE—360 bgs, F L Kraemer, London
KELP—45 bgs, Meer Corp, Oslo
LEAD BROMIDE—1 cs, Amend Drug & Chemical Co, London
LEMON OIL—1 dm, Citrus & Allied Essential Oil Co, Santiago
LEMONGRASS OIL — 28 dms, Givaudan Corp, Cochin
11 dms, Norda Essential Oil & Chemical Co, Cochin
15 dms, Port au Prince
LIME OIL—1 dm, Port Au Prince
LIVERMEAL—373 bgs, H C Trading Co, Rotterdam
1,033 bgs, Rotterdam
LOCUST BEANS—1,200 bgs, Hanover Bank, Limassol
MACE—5 cs, Murbas Trading Co, Kingston
62 cs, Karl H Landes & E Balint, Kingston
23 cs, Catz American Co, St Georges
21 cs, A G Dunn, St Georges
MAGNESIUM CARBONATE—920 bgs, Reheis Co, Glasgow
MARJORAM—50 bgs, Callao
MATICO LEAVES—39 bls, Callao
MERCURY—112 flks, L H Keller & Co, Tampico
MICRANTHUM HAYATA OIL—5 dms, Centflor Manufacturing Co, Keelung
3 dms, Magnus Mabee & Reynard, Keelung
MINERAL WAX—460 bgs, Dura Commodities Corp, Bremen
MOLASSES—244,967 gals, American Molasses Co, Havana
MONTAN WAX—200 bgs, Wax & Rosin Products, Bremen
MUSTARD OIL—10 cs, Lo Curto & Funk, Hamburg
SEED—900 bgs, Catania
NAPHTHALENE—500 bgs, Gallard Schlesinger, Havre
1,000 bgs, Avonmouth
NICKEL SULFATE—33 bbls, Chas Page & Co, Gothenburg
NUTMEG—18 bgs, Murbas Trading Co, Kingston
200 bgs, Ungerer & Co, St Georges
550 bgs, Karl H Landes & E Balint, St Georges
50 bgs, A G Dunn, St Georges
OLIVE OIL—130 dms, Brown Bros, Malaga
26 dms, American Trust Co, Malaga
26 dms, Chase Manhattan Bank, Malaga
103 dms, Irving Trust Co, Malaga
233 dms, Atlantic Bank of N Y, Malaga
236 dms, Credit Suisse, Malaga
210 dms, National City Bank, Malaga
230 dms, Manufacturers Trust Co, Malaga
156 dms, Malaga
OPOPANAX GUM—27 bgs, Van Ameringen Haebler, Aden
PAPRIKA—280 bgs, Rijeka
PEATMOSS—1,800 bls, New Amsterdam Import Co, Bremen
750 bls, Trans Sphere Trading Co, Bremen
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500 bls, Marine & Animal By Products Corp, Bremen
500 bls, Bruco Peatmoss Corp, Bremen
250 bls, Lion Trading Co, Bremen
2,525 bls, Premier Peatmoss Corp, Bremen
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PEPPER, BLACK—240 bgs, Ludwig Mueller, Cochin
80 bgs, Mincing Trading Corp, Cochin
80 bgs, A C Israel, Cochin
160 bgs, Polak Trading Co, Cochin
160 bgs, Dalamal & Sons, Cochin
70 bgs, C M C Van Sillevoldt, Singapore
70 bgs, A C Israel, Singapore
70 bgs, Dalamal & Sons, Singapore
210 bgs, Borneo Sumatra Trading Co, Singapore
35 bgs, Ludwig Mueller, Singapore
410 bgs, Joensson & Cross, Singapore
70 bgs, A G Dunn, Singapore
70 bgs, Internatio Rotterdam, Singapore
350 bgs, Polak Trading Co, Singapore
70 bgs, Lo Curto & Funk, Singapore
70 bgs, J Berlage, Singapore
80 bgs, M Golodetz, Cochin
70 bgs, Singapore
RED—136 bgs, M J Golombeck, Kobe
100 bgs, Becker Mayer Seed Co, Kobe
WHITE—70 bgs, Ludwig Mueller, Singapore
PETROLEUM, CRUDE—136,477 tons, Gulf Oil Corp, Puerto La Cruz
PHTHALYSULFACETAMIDE—1 bbl, Nepera International Corp, Rotterdam
PIMENTO—50 bgs, Kellys America Ltd, London
POLLACKLIVER OIL—160 dms, Wilbur Ellis Co, Yokohama
75 dms, Arista Oil Products Co, Yokohama
POLYVINYL CHLORIDE RESIN—4,990 bgs, Monsanto Chemical Co, Nagoya
POPPY SEED—763 bgs, Rotterdam
POTASSIUM FORMATE—1 kg, Fielding Chemical Co, London
PERCHLORATE—200 dms, C Hardy, Havre
POTATO STARCH—4,410 bgs, Stein Hall & Co, Havre
RED IRON OXIDE—600 bgs, F L Kraemer, Bremen
218 bgs, Chase Manhattan Bank, Malaga
480 bgs, Reichard Coulston, Malaga
218 bgs, Malaga
RICE STARCH—200 bgs, Aurora Manufacturing Co, Trieste
100 bgs, American Key Products, Trieste
RUTILE SAND—3,100 bgs, International Titanium Corp, Brisbane
SABADILLA SEED — 41 bgs, Irving Trust Co, Callao
SAGO FLOUR—544 bgs, Chartered Bank of India, Singapore
SALICYLIC ACID—10 dms, Industrial Chemical & Dye Corp, Rotterdam
SEEDLAC—209 bgs, United Shellac Corp, Bangkok
SENNA LEAVES—100 bls, Meer Corp, Tuticorin
SHELLAC—20 bgs, Dings & Schuster, Bremen
SODIUM ALGINATE—15 kgs, F J Henjes, Havre
CYANIDE—250 dms, Chemical Manufacturing Co, Glasgow
FERROCYANIDE—443 bgs, Antwerp
GLUTAMATE, MONO—200 dms, E J Guetta, Kobe
SOYBEAN OIL—1,500 tons, Universal Transport Corp, Toronto
STARCH—350 bgs, Blaser & Mericle, London
STROPHANTHUS SEED—12 cs, P H Petry, London
TAMARINDS—53 bbls, S B Penick & Co, Antigua
8 bbls, Murbas Trading Co, Montserrat
100 bbls, Royal Bank of Canada, Barbados
10 bbls, Malko Bros, Antigua
50 bbls, Murbas Trading Co, Antigua
TAPIOCA FLOUR—1,300 bgs, Internatio Rotterdam, Bangkok
TARA PIPS—625 bgs, Salaverry
THYME LEAVES—78 bls, Louis Furth, Marseille
TRICHLOROETHYLENE—660 dms, Miny Corp, Venice
TUNG OIL—527 tons, Buenos Aires
VALONIA CUPS—4,252 bgs, Chemical Bank, Izmir
VANILLA BEANS—3 cs, Royal Bank of Canada, Dominica
VEGETABLE OIL—5 dms, P H Petry, London
VETIVER OIL—5 dms, Port Au Prince
WHITING—1,600 bgs, Pluess Staufer, Antwerp
WOOL GREASE—110 dms, Robeco Chemicals Inc, Fremantle
75 dms, Olson Sales Agency, Fremantle
52 dms, Olson Sales Agency, Port Adelaide
26 dms, Chase Manhattan Bank, Port Adelaide
YLANG YLANG OIL—1 ck, Felton Chemical Co, Havre
ZINC SULFIDE—800 bgs, C J Osborn Co, Rotterdam
ZIRCON SAND—5,000 bgs, Lo Curto & Funk, Brisbane
2,400 bgs, International Titanium Corp, Brisbane
5,000 bgs, Brisbane

Baltimore

ARSENIC, CRUDE—77 bbls, American Smelting & Refining Co, Tampico
CHESTNUT EXTRACT—410 bgs, Barkey Importing Co, Genoa
1,300 bgs, Chase Manhattan Bank, Naples
GLYCERINE—300 dms, Mitsubishi Corp, Yokohama
LITHARGE—100 dms, Tampico

Philadelphia

ANTIMONY—1,000 bgs, Glasgow
ASBESTOS FIBER—372 bgs, Durban
BONEMEAL—585 bgs, Buenos Aires
CASEIN—500 bgs, F H Paul & Stein Bros, Montevideo
CRESOTE—1,033 tons, Bermuth Lembecke, Shimotsu
CRESYLIC ACID—100 dms, Concord Chemical Co, Manchester
300 dms, Glasgow
FLUORSPAR—1,184 tons, Huelva
FUEL OIL—84,499 bbls, Shell Oil Co, Curacao
GLPCERINE—340 dms, Mitsibishi Corp, Yokohama
30 dms, Bunge Corp, Yokohama
180 dms, Mitsibishi Corp, Kebe
GRAPHITE—915 bgs, Tamatave
LICORICE ROOT—3,107 bls, MacAndrews & Forbes, Rotterdam
6,951 bls, Izmir
MAGNESIUM OXIDE—1,200 bgs, Darlington Chemical Co, Glasgow
MOLASSES—2,984,962 gals, Manopla
PEATMOSS—2,000 bls, E J Lang, Bremen
750 bls, C Fafard, Bremen
1,950 bls, Premier Peatmoss Corp, Bremen
1,000 bls, Van Zanten & Co, Bremen
PETROLEUM, CRUDE—61,572 bbls, Atlantic Refining Co, La Salina
42,481 bbls, Atlantic Refining Co, Las Piedras
199,334 bbls, Atlantic Refining Co, Sidon
118,953 bbls, Atlantic Refining Co, Pamatacual
121,878 bbls, Atlantic Refining Co, Puerto La Cruz
511,708 bbls, Cities Service Oil Co, Mena Al Ahmadi
392,350 bbls, Gulf Oil Corp, Mena Al Ahmadi
382,480 bbls, Gulf Oil Corp, Puerto La Cruz
201,428 bbls, The Texas Co, Sidon
137,214 bbls, Socony Mobil Oil Co, Covenas
112,076 bbls, Socony Mobil Oil Co, Mena Al Ahmadi
114,678 bbls, Socony Mobil Oil Co, Amuay Bay
120,912 bbls, The Texas Co, Covenas
119,999 bbls, The Texas Co., Puerto La Cruz
315,109 bbls, The Texas Co, Las Piedras
POTATO STARCH—1,250 bgs, Havre
QUEBRACHO EXTRACT—1,000 bgs, Buenos Aires
TAPIOCA FLOUR—833 bgs, Manhattan Paste & Glue Co., Rajai
VANILLA BEANS—23 cs, Camax Co, Majunga
139 cs, Zink & Trieste, Antalaha
49 cs, Zink & Trieste, Tamatave

San Francisco

ARROWROOT—3,000 bgs, Morningstar Nicol, Kingston
ASBESTOS FIBER—2,600 bgs, Lourenco Marques
300 bgs, N American Asbestos Corp, Lourenco Marques
1,412 bgs, John Holt & Co, Lourenco Marques
4,670 bgs, Keasby & Mattison, Beira
BONEMEAL—2,223 bgs, Minotaur Glue Co, Alexandria
CARBON, ACTIVATED—500 bgs, Richmond Terminal Co, London
CARDAMOM—10 cs, London
PEPPER, BLACK—460 bgs, C Czarinkow, Singapore
POLLACKLIVER OIL—35 dms, Consumers Import Co, Yokohama
SODIUM CYANIDE—74 dms, C M C Chemicals Inc, London
GLUTAMATE, MONO—100 dms, E J Guetta, Kobe
TANNING SALTS—750 bgs, I M Sobin, Durban

Current Market Quotations

—Continued from page 31

White precipitate, USP powd., dms. lb. 6.55 - —
Whiting (see Calcium carbonate).
Wild cherry bark, thin, nat., bls. lb. .19 - .19
rossed, bls lb. .19 - .22
Witch hazel bark, bls lb. .16 - .17
leaves, bls. lb. .20 - .21
Wollastonite, fine, bgs., c.l., works. ton.39.50 - —
l.c.l., ex whse ton 56.00 - —
medium, bgs., c.l., works ton.27.00 - —
l.c.l., ex whse ton.44.00 - —
Woolfat, crude (see Degras).
USP (see Lanolin).
Wormseed, American, bgs lb. .20 - .25
Levant, bgs lb 4.25 4.50

X

Xylene (see Xylol).
Xylenol, cryst., 58° 60°C., m.p., dms., l.c.l., works lb. .40 - —
56°-58°C., dms. l.c.l., works, frt. equald lb. .30 - —
45°-47°C., dms., c.l., same basis, lb. .212 - —
l.c.l. same basis lb. .215 - —
tanks same basis lb. .199 - —
fraction, b.r. 7°-9°C., dry above 227°C., dms., c.l., same basis gal. .96 - —
l.c.l., same basis gal. .99 - —
tanks, same basis gal. .85 - —
dry at or below 227°C., dms., c.l., same basis gal. 1.11 - —
l.c.l., same basis gal. 1.14 - —
tanks, same basis gal. 1.00 - —
Xylidines, mixed, dms., c.l., truckload, works lb. .39 - —
l.c.l. same basis lb. .40 - —
tanks same basis lb. .38 - —
Xylol, coaltar indust., tanks, works:—
Bethlehem Pa gal. .34 - —
Birmingham district gal. .32 - —
Chicago district gal. .35 - —
Cleveland district gal. .34½ - —
Geneva, Utah gal. .27 - —
Johnstown, Pa. gal. .33 - —
Lackawanna N. Y. gal. .35 - —
Lone Star, Tex gal. .33 - —
Lorain, Ohio gal. .33 - —
Middletown, Ohio gal. .34 - —
Minnequa, Colo gal. .34 - —
Philadelphia district gal. .34 - —
Pittsburgh district gal. .32 - —
Sparrows Point, Md. gal. .34 - —
Terre Haute, Ind gal. .35 - —
Youngstown, O gal. .32½ - —
petroleum, indust., tanks, works:—
Bayonne, N. J. gal. .34 - —
Baytown, Tex. gal. .33 - —
Chicago, Ill. gal. .35 - —
Philadelphia, Pa. gal. .34 - —
Providence, R. I. gal. .33 - —
Wood River, Ill. gal. .35 - —

Y

Yara vara, cns lb. 2.15 2.65
Yeast, brewer's, dry, USP, 50 Int'l B units per gram, 100-lb. dms lb. .47 - —
90 Int'l B units per gram, 100-lb dms lb. .52 - —
200 Int'l B units per gram, 100-lb dms lb. .58 - —
300 Int'l B units per gram, 100-lb dms lb. .60 - —
Yellow, barium chromate, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul lb .35 - —
Yellow barium chromate price differentials in other States and city zones are those for chrome yellow below.
Benzidine AAA, bbls., dlvd lb. 2.00 - —
AAOT, bbls., dlvd. lb. 2.25 - —
Lightfast, bbls., dlvd lb. 3.15 - —
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies lb. 2.85 - —
Ithopone, all shades, bbls., frt. alld., E of Rockies lb 1.15 - —
Cadmium yellows, Los Angeles and San Francisco, ex whse., 1c. per lb. higher.
Chrome, CP, bbls., dlvd. N. of Tenn., and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island lb. .32 - —
Dlvd. Ala., Fla., Ga., La. (Shreveport 1½c. higher); Miss., N. C., S. C., Penna., Dallas, Tex. 1¼c. higher; Ft. Worth, Tex. 1½c. higher; El Paso Tex. 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph 1.6c. higher; dlvd. Pac. Coast, for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Hansa 10 G, bbls., same basis as yellow, chrome lb. 2.15 - —
G pigment, bbls lb 1.91 - —
Iron oxide, natural, French type, bgs., c.l., works lb. .05¼ - —
Penuvian type bgs., l.c.l lb. .038 - —
pure, bgs., c.l., works lb. .11½ - —
l.c.l., works lb. .11¾ - —
Mercury oxide, bbls., 1,000-lb. lots. lb. 5.58 - —
smaller lots lb 5.60 - —
Ocher (see Yellow, iron oxide, natural).
Zinc (chromate), bbls., dlvd lb. .26 - —
basic, dlvd lb. .21 - —
Yerba santa leaves, bls lb .40 - .42
Yohimbine hydrochloride, bots, tin oz. 4.50 - —

Z

Zein, bgs., 36,000-lb. lots or more lb. .38 - —
1,000 to 36,000-lb. lots, works lb. .40 - —
smaller lots, works lb. .43 - —
Zinc acetate, NF VIII, dms lb. .53 - —
tech., dms., works lb. .27 - —
Borate, bgs., c.l., dlvd E lb. .192 - —
l.c.l. dlvd E lb .202
Chloride, NF, gran., dms. lb. .42 - —
precipitated powd dms lb .26 - —
soln., 50%, dms., c.l., works. 100 lbs. 5.50 - —
l.c.l. works 100 lbs. 6.10 - —
tanks, works 100 lbs. 4.85 - —
tech., fused, dms., c.l., works. 100 lbs.10.10 - —
l.c.l., works 100 lbs.10.60 - —
Chloride, gran., fib. dms., c.l., works 100 lbs.10.85 - —
l.c.l., works 100 lbs.11.35 - —
Chromate (see Yellow, zinc).
Cyanide kgs., 1,000-lb. lots or more works lb. .523 - —
smaller lots, works lb. .543 - —
Dust, pigment, bbls., c.l., works. lb. .15¾ - —
l.c.l., works lb. .16¾ - —
Fluoride, bbls., works lb. .49 - .50
Hydrosulfite, dms., c.l., frt. alld lb. .21½ - —
l.c.l. frt. alld lb. .22 - .37½
Metal, prime western slabs, E. St. Louis lb. .12½ - —
New York lb. .13 - —
Naphthenate, liq., 8% Zn., dms., frt. alld lb. .24½ - —
10% Zn dms frt alld lb. .30 - —
Oxide, pigment, American process, lead-free ngs. c.l., frt. alld lb. .14 - —
l.c.l., same basis lb. .15 - —
leaded 25%, bgs., c.l., millsd, frt. alld. lb. .14¾ - —
l.c.l., same basis lb. .15¾ - —
50%, bgs., c.l., same basis lb. .14¾ - —
l.c.l., same basis lb. .15¾ - —
French process, coml., green seal, bgs., c.l., frt. alld lb. .15¾ - —
l.c.l., same basis lb. .16¾ - —
red seal, bgs., c.l., same basis lb. .15¼ - —
l.c.l., same basis lb. .16¼ - —
white seal, bgs., c.l., same basis lb. .16¼ - —
l.c.l., same basis lb. .17¼ - —
USP, ctns., c.l., frt. alld lb. .17¼ - —
l.c.l., same basis lb. .18¼ - —
Zinc oxide Pac. coast prices 1c. higher.
Phenolsulfonate, NF, gran., dms. lb. .39 - —
powd., dms lb. .42 - .49
Resinate, precip., 7.2-7.6% Zn, dms. frt. alld lb. .29 - —
Silicofluoride, bbls. works lb. .12 - .13
Stearate, tech., USP, ctns., c.l., lb. .37 - —
l.c.l., lb. .38 - .49
Sulfate, cryst., 22% Zn, bgs., c.l., works, frt. alld 100 lbs. 8.05 - —
l.c.l., same basis 100 lbs. 8.60 - —
flake, 25½%, Zn, bgs., c.l., works, 100 lbs. 6.00 - 7.40
l.c.l., works 100 lbs. 7.00 - 7.90
powd., monohydrate, 36% Zn, bgs., c.l., dlvd E 100 lbs. 8.50 - —
l.c.l., dlvd. E 100 lbs. 9.50 - —
Zinc sulfate in bbls. 40c. higher.
USP gran dms lb 26 - —
Sulfide, pure, bgs., c.l., dlvd lb. 2530 - —
Undecylenate, dms. lb. 2.25 2.50
Yellow (see Yellow zinc)
Zinc-ammonium chloride, bgs., c.l., works 100 lbs. 9.65 - —
bbls., c.l., works 100 lbs.10.25 - —
l.c.l., works 100 lbs.10.75 - —
Zinc-formaldehyde sulfoxylate, basic, dms., c.l lb. .25½ - —
l.c.l. lb. .26 - .41¼
normal, dms., l.c.l., works lb. .52 - —
Zircon (G), gran. bgs., c.l., works. lb. .03¼ - —
5 tons to c.l., works lb. .03¾ - —
1 ton to 9,999-lb lots, works. lb. .04 - —
smaller lots works lb. .06½ - —
Zircon (G), milled, bgs., c.l., works. lb. .04¼ - —
5 tons to c.l., works lb. .04⅜ - —
1 ton to 9,999-lb lots, works. lb. .04⅝ - —
500 to 1,999-lb lots, works. lb .07½ - —
Zircon (G) in barrels, 1c. higher.
Zirconium acetate, 13% solu. ZrO_2, c.l., 30,000 lbs. minimum, works lb. .23 - —
Hydride, cns., works lb. 7.60 8.45
Nitrate, dms., ex whse lb. 4.50 7.00
Oxide, 92½%-99%, white, grd., bbls., or bgs., works lb. 1.50 - —
lump, electric-fused, bgs., c.l., works lb. .44 - —
5-ton lots, works lb. .44½ - —
1 ton to 9,999-lb. lots, lbs. works lb .45 - —
CP, white, grd., bbls., or bgs., works lb. 1.50 - —
lump, electric fused, bags, 500 to 1,999-lb. lots, works lb. .45½ - —
smaller lots, works. lb. .48 - —
milled, electric-fused, bgs., c.l., works lb. .59 - —
5-ton lots, works lb. .59½ - —
1 ton to 9,999-lb. lots, works lb. .60 - —
500 to 1,999-lb. lots, works lb. .60½ - —
smaller lots, works. lb. .63 - —
Oxychloride, cryst., ctns., 5-ton lots, works lb. .35½ - —

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FDA Amends Regulations On Tests, Assay Methods

Food and Drug Administration amended its antibiotics certification regulations in a number of particulars last week. Changes in the rules were made relating to tests and methods of assay for chlortetracycline, calcium oral drops, and chloramphenicol ointment. Bacitracin, methylene disalicylate tablets and streptomycin sulfate oral for veterinary use, were certified and their methods of assay given.

Penicillin tablets were exempted from certification, while changes were made in the regulations concerning hydrabamine penicillin G oral suspension, streptomycin-erythromycin ointment, animal feed containing penicillin, streptomycin syrup and streptomycin and kaolin in gel.

Carbide Fine Chemicals Unit Names 2 Assistant Managers

R. W. Eddy and J. J. Morris have been appointed assistant managers of the fine chemicals division of Carbide & Carbon Chemicals Company, New York, a division of Union Carbide & Carbon Corporation. They will report to W. A. Woodcock, manager of fine chemicals.

Mr. Eddy has been a product manager, directing market development of chemical intermediates, including acrolein and its derivatives and new chemicals from the company's new Oxo unit. Mr. Morris has been a product manager, directing market development of "Flexol" plasticizers and stabilizers for vinyl resins.

Fatty Acid Output Figures Reported for Month of July

Fatty acid production in July totaled 26,440,000 pounds, according to figures released by the Association of American Soap and Glycerine Producers. The July production figure was 25.6 percent below that of June, 1955, but was 24.5 percent more than the July, 1954 figure of 20,800,000.

Total disposition in July was 31,073,000 pounds, approximately 6,400,000 under the June, 1955, figure and approximately 6,000 pounds above the July, 1954, level. Stocks, including work in progress, decreased to a level of 39,797,000 pounds in July.

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LOUISVILLE, KENTUCKY — Dixie Solvents and Chemicals Company.
LYNDHURST, NEW JERSEY—Stoney-Mueller, Inc.
MILWAUKEE, WISCONSIN — Wisconsin Solvents and Chemicals Corp.
MONTREAL, QUEBEC — Canada Colors and Chemicals Ltd.
NEW ORLEANS, LOUISIANA —Southern Solvents and Chemicals Co.
PROVIDENCE, RHODE ISLAND—Philipp Brothers Chemicals Co.
ST. LOUIS, MISSOURI — Missouri Solvents and Chemicals Co.
SAN FRANCISCO, CALIFORNIA—EvanStrom Co.
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Protective Coatings Materials

Antimony oxide prices held to previously established levels, despite the recent increase in the metal. Producers as yet have not reflected this raw material increase in their schedules for the oxide. Copper oxides were firm following the second major increase in copper metal. Prices have been forced upward for the oxides, in instances where the producers were unable to absorb the full amount of the increase.

Pigment sales were rated as good for the season, but could stand some improvement in most observers' views. Lead and zinc pigments were still off a bit, due to the usual summer decline in demand, and an upturn in these materials was expected during September. In the category of plasticizers, dioctyl phthalate was steady. With raw materials unchanged, no price revisions were foreseen at the present.

Demand for synthetic resins continued at a good pace. This area of the market was not afflicted with shortages and appeared currently in a healthy state. According to a recent report, synthetic resin production in East Germany since World War II has been confined almost entirely to phenolic and melamine resins. Production of urea resins, silicone products, and laminated glass fiber is said to be still in the initial stages of development. About eleven principal synthetic resin producers in East Germany, it was reported, are manufacturing resins for use in varnish, polyvinyl chloride, polymerization products, latex, and chlorinated rubber.

Argentine casein remained quite firm by reason of a good consuming interest and lack of competition from some of the usual European sources. Supplies of New Zealand material were adequate for the rather quiet demand encountered. Shellac prices were firm, with no slackening seen yet from the direction of Calcutta.

Prime Pigments

Aluminum Paste, Powder — Shipments of atomized and grained aluminum powder during June amounted to 1,341,000 pounds, according to a Commerce Department report. This compares with shipments of 1,297,000 pounds during May. Flaked powder shipments in June came to 363,000 pounds, an increase from the 338,000 pounds reported for the previous month. Aluminum paste shipments in June totaled 1,331,000 pounds, up from the 1,178,000 pounds reported in May.

Antimony Oxide—Previously established prices remained in effect throughout the week despite the recent advance for the metal. Producers of the oxide appeared to be reluctant to raise their quotations following the rise in the raw material costs, and by presstime had announced no advances. Demand was reported steady with supplies ample for the market's needs.

Cadmium Colors—Prices for cadmium reds were steady after firming recently. Quotations for cadmium yellows were unchanged and were quite firm at present levels. The market has encountered a very good demand, it was noted by all makers, with production facilities currently going at, or near, full speed to attempt to fill consumers' needs.

Lead Pigments—Demand for lead oxides in the manufacture of paints has not yet gathered its full autumn impetus, it was stated by sources in the industry during the past week. Some improvement in demand was expected in the coming weeks, with paint sales showing an improvement, particularly in the New York area, if they followed the usual pattern. Prices at the present are quite stable in the views of most sources, and give no evidence of imminent changes.

Titanium Dioxide—A major producer stated that additional facilities have been completed and are ready to go on stream.

The output of the new facilities will encounter a ready market, where material continues in tight supply and makers have not yet exceeded their customers' demands. As long as demand continues to grow, as it has in the past, supplies were expected to move readily to consumers' hands to exhibit the shortness currently in evidence.

Zinc Pigments—Sales were reported at a good level for zinc oxides, but not yet at their expected fall peak. Gains in demands from the paint trade should advance noticeably after Labor Day, if the usual seasonal pattern materializes this year. Prices were steady and firm at present levels, according to sources in the industry.

Price Trends

Advanced
None

Reduced
None

Comparative Price Indexes
(100 = 1949 average)

Last week	Prev. week	Last month	Sept. 3, 1954
97.22	97.22	97.18	96.62

(For Current Prices see Page 9)

Synthetic Resins

The following figures show production in pounds for June, and list May figures for comparison, as reported by the Tariff Commission:—

Production

	†June	†May
Phenolic and other tar acid resins:—		
Laminating resins	9,736,949	*9,420,481
Adhesive resins	2,269,384	*2,135,943
Protective coating resins, modified, unmodified, except by rosin	2,427,490	2,431,234
Urea and melamine resins:—		
Adhesive resins	10,616,257	10,307,379
Protective coating resins, straight, modified	3,522,095	3,543,538
Styrene resins:—		
Protective coating resins, straight, modified	8,829,671	9,059,629
Vinyl resins:—		
Total all types	56,117,522	*61,730,829
Alkyd resins for protective coatings:—		
Phthalic anhydride types, unmodified	23,044,262	26,928,717
Modified with tar acids, rosin and or other materials, except styrene	7,977,736	8,295,795
Polybasic acid types except phthalic:—		
Unmodified	2,032,802	1,981,629
Modified with tar acids, rosin and or other materials, except styrene	677,603	670,992
Rosin modifications for protective coatings:—		
Rosin, rosin esters, unmodified (ester gums), esterfied with glycerol	1,412,866	1,340,924
Esterfied with other alcohols (pentaerythritol, glycols, etc.)	1,869,687	2,070,644
Rosin, rosin esters, modified:—		
Modifications with phenolic and other tar acid resins	2,406,530	2,050,779
Modifications with maleic and fumaric acids	2,968,752	3,436,959
All other modifications	3,004,322	2,920,380
Coumarone—indene and petroleum polymer resins	20,993,056	22,503,247
Miscellaneous synthetic plastics and resin materials:—		
Protective coating resins (including epichlorohydrin, acrylic, polyester silicone and other resins)	395,940	370,688

† Partly estimated.
* Revised.

Lacquer Materials

Dioctyl Phthalate—Demand continued off a little from the levels reached during the second quarter, it was noted in some producing quarters. An upward trend was expected to show itself during the coming month, however. In the meantime, prices were steady at present levels. Raw material costs appeared stable, leading makers of DOP and other phthalate plasticizers to believe that there would not be any immediate revisions necessary in price schedules.

Sebacates — Manufacturers have been able to keep up with demand without great difficulty and the market currently was described as a healthy one. Prices remained unchanged throughout the week.

Natural Resins

Copal, Dammar Gums—Quotations in effect earlier were unchanged throughout the past week. Importers found their supplies at the time adequate for most market demands. Demand has been good, it was stated, although most users have not been in a hurry to stock heavily.

Shellac—With holders in Calcutta maintaining a firm attitude, prices on the local scene were unchanged. Although reductions were still the aim of most suppliers, effecting this wish was considered impossible until replacement views changed. Buying proceeded at a fairly good clip, but was not unusually heavy.

Miscellaneous Materials

Casein—Argentine material continued to hold the firm position it has occupied

For Late Market Developments, See Page 4

over the recent past. A lack of competition from other sources, plus a good demand, have combined to give prices their current strong undertone. Quotations for duty-paid goods on a delivered, New York basis, ranged upward from 24 cents per pound, while some prices of 23½ cents per pound appeared to be the exception to the current market situation. New Zealand stocks were reported ample for the rather quiet demand encountered.

Naval Stores

Rosin, Gum

(USDA, per 100 lbs.)

	Fri. Aug.26	Mon. Aug.29	Tues. Aug.30	Wed. Aug.31	Thur. Sept. 1
Drums—					
K	...	...	$8.55	$8.90	...
M	$8.55	...	...	...	$8.55
N	...	$8.54	8.59§	8.56§	8.58
WG	8.94§	8.60	8.60	...	...
WW	8.72§	8.66§	8.70	8.77	8.72§
Bags—					
K	8.90	8.75	...	...	...
N	8.75	...	8.73§	...	8.56
WG	...	...	8.56	...	8.64§
WW	...	8.90	8.68	...	8.73

Tankcars (for week ended Aug. 26)—M or better, $8.20§; N, $8.23; WG, $8.21§; WW, $8.35§.

Sales, USDA

1,192* 1,379* 865* 463* 493*

New York

(per 100 lbs., c.l., Friday)

B through N, $9.55; WG, $9.60; WW, $9.70.

Turpentine, Gum

(USDA, per gal., 7.2 lbs.)

Price	...	.56	.5625	.56	...
Sales	...	12,000¶	8,000¶	12,000¶	...

New York, Friday, per gal. 7 lbs., tankcars, 63½c., l.c.l. 75c.

¶Drums equivalent. *Gallons. §Average price.

Dipentene — The destructive-distilled material was firm at the prices advanced during the week previous. Carlot quantities commanded 47 cents per gallon in drums, on a works basis. Smaller shipments were priced from 62 cents per gallon. The price for l.c.l. purchases on an ex-warehouse basis was 64 cents per gallon.

Steam-distilled dipentene ranged from 59 cents per gallon in carlots at the producers' works in the South. A listing of 67 cents per gallon was offered for material delivered in New York, while the tankcar price on a works, South, basis was 45 cents.

Pine Oil—Material remained available at a price of 163/10 cents per pound for the steam-distilled grade in drums on an ex-warehouse, New York, basis. Demand was reported to be good at the present time, with supplies generally able to take care of market needs.

Koppers Company, 2 Others Develop Waterproof Adhesive

Koppers Company, Pittsburgh, Pa., has developed, in conjunction with A. E. Staley Manufacturing Company, Decatur, Ill., and Penick & Ford Inc., Cedar Rapids, Iowa, a waterproof adhesive for use in the fabrication of boxboard and laminated paperboard. Of primary importance for industry is a potential of high-speed corrugated board production, which was not allowed by older waterproofing adhesives, Koppers said.

Koppers also has begun construction of a new development laboratory at Kobuta, Pa. Research-developed chemical and plastic products will be further tested and developed at the new laboratory.

N. Y. Paint Technicians Schedule Next Dinner Meeting for Sept. 8

The New York Paint and Varnish Production Club has scheduled its next meeting for September 8 at the Brass Rail restaurant, 100 Park avenue, New York, at 6:30 p.m. Technical subcommittees Nos. 37, 40, 44, 53, 62, 64, 66, 67, 68, and 70 will present resumes of their work.

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Naval Stores Examination Details Amended by USDA

The Department of Agriculture last week amended the regulations for administration and enforcement of the naval stores act. A new rule provides for the inspection of the external appearance and condition of drums of rosin, as related to the quality of the rosin inside the container. Also provided for, when practicable, is the examination of the internal conditions of the drums, and certification of the quality, grade and condition of the rosin.

This type of inspection is made available, USDA said, because the limited production of gum rosin in 1955, in the face of a well-maintained world-wide demand for American rosin, has resulted in large quantities being sold and moved into commerce in drums that were held over in open air storage from several previous seasons' operations. Instructions and procedures for making such inspections have been sent to naval stores inspectors of the Agricultural Marketing Service, to make the service available at once.

Fees for the inspection, grading, classification and certification of turpentine and rosin were increased by the department. The boost is necessary, USDA said, to meet increased salaries and other rising costs of rendering the service. Inspection fees vary according to the commodity, the type of container and the status of the inspector. Most of the work is performed by inspectors employed and working under license at the processing plants.

Fats, Oils World Output Is Seen at All-Time High

World production of fats, oils and oil-bearing materials in 1954 was estimated last week by the Foreign Agricultural Service at 28,000,000 tons oil equivalent basis. This established a new record output which exceeds the 1953 estimate by 2 percent and the prewar average by 17 percent.

Production increases from the previous year ranging from 1 to 11 percent occurred in all the five categories of fats and oils, and output in all categories except marine oils exceeded the average prewar outturn. Percentagewise, the greatest expansion from 1953 was in the marine oils group. With regard to individual items, the greatest expansion tonnagewise occurred in cottonseed oil, soybean oil and butter.

AEC Says It Will Cease Radioisotopes Processing

The Atomic Energy Commission indicated last week that as of November 30 it will discontinue its program for the processing and distribution of cyclotron-produced radioisotopes because private industry appears ready to take over this function for itself.

AEC said the action will not affect its program for the production and distribution of reactor-produced radioisotopes and electromagnetically-concentrated stable isotopes. The bulk of the radioisotopes distributed by the commission has been produced in reactors. The commission will also continue to perform, upon payment of applicable charges, service irradiations in its cyclotrons.

Gillespie Officer Injured

George A. Melven, vice-president of Gillespie-Rogers-Pyatt Company, New York, was injured in a fall August 27. Following hospitalization, he will recuperate at his home for several weeks.

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Essential Oils, Aromatics, Flavorings

The price of coumarin was advanced 25 cents per pound by some producers, bringing the quotation for NF material in 200-pound drums to $3.45. One maker, however, maintained a price of $3.20 per pound, but at presstime stated that this might be revised in the near future. USP methyl salicylate advanced 3 cents to a new price of 56 cents in drums. Moving downward among aromatic chemicals were alpha and methyl ionones, which dropped 45 cents per pound to stand at $5.10 each.

Among essential oils, reductions were noted for natural and redistilled peppermint, bay, bois de rose, camphor, chenopodium and wormseed. Whether future sales of peppermint oil would be transacted within price ranges currently in effect was uncertain, since the arrival of new crop material was due shortly. Distillation is now going on in producing states and definite information on production yields should be available shortly. The week's decline in Brazilian bois de rose oil appeared to be indicative of no general trend for this material. Spearmint oil prices held firm. The crop of oil now being distilled in producing states was reported down in quantity from last year's yield, but the situation was not expected to prove serious enough to push prices up drastically.

Java-type citronella oil firmed. The strength in Formosan material represented the continued effect of the drought on that island. Some consumer resistance was reported as prices reached $2 per pound and up.

Among seeds and spices, firmness was encountered for black Malabar pepper. Prices increased when a sale of 1,000 tons to Russia was reported, and then backed off for a net gain for the week of 2 cents per pound. Red Turkish and white peppers were down. Nutmeg was also easier, while sesame firmed. Changes in clove included a decline for Madagascar and an increase for Zanzibar.

Price Trends

Advanced

Clove, Zanzibar, 1c. per lb.
Coumarin, 10c. per lb.
Methyl salicylate, 3c. per lb.
Oil, citronella, Java-type, 20c. per lb.
Pepper, black, Malabar, 2c. per lb.
Pimento, Jamaican, 2c. per lb.
Poppy, Dutch, ½c. per lb.
Polish, 1c. per lb.
Sesame, Nicaraguan, hulled, 1c. per lb.
Salvadorian, nat., ¼c. per lb.

Reduced

Coriander, Moroccan, 1¼c. per lb.
a-Ionone, 45c. per lb.
methyl, 45c. per lb.
Nutmeg, East Indian, 1c. per lb.
West Indian, 1c. per lb.
Oil, bay, NF, Puerto Rican, 50-55%, 5c. per lb.
Bois de rose, Brazilian, 15c. per lb.
Camphor, white, 7c. per lb.
Chenopodium, 25c. per lb.
Peppermint, nat., 65c. per lb.
redist., 65c. per lb.
Wormseed, 25c. per lb.
Pepper, red, Turkish, 2c. per lb.
White, 1c. per lb.
Pimento, Mexican, 2c. per lb.

Comparative Price Indexes

(100—1949 average)

Last week	Prev. week	Last month	Sept. 3, 1954
134.59	134.66	134.84	137.88

(For Current Prices see Page 9)

Essential Oils

Bay—A reduction of 5 cents per pound was effected during the week in the NF, Puerto Rican, 50-55 percent material. Other grades were steady at previous listings. Inquiry of routine proportions was received by dealers.

Bergamot—A good, steady demand is consistently encountered for this oil, it was noted, and at the present there are no indications of a change in this market situation. Prices were steady throughout the week, with quotations ranging from $8.50 to $11 per pound, depending upon supplier and brand of material.

Bois de Rose—Brazilian oil was offered at a slightly lower schedule from a source during the past week. The reduction of 15c per pound brought the low-of-the-range quotation down to $4.55 per pound. Quotations from other sources were steady and there appeared to be no general weakening movement taking place in the market for this material.

Camphor—White camphor oil declined 7c. per pound when one supplier lowered its price to 21c. The sassafrassy type was steady at its previously established range of 40c. to 60c. per pound.

Chenopodium—The price range for this material made one of its rare moves last week, when it declined 25c. per pound. This change in a material normally quite steady brought the range to $3.75 per pound to $5. A demand of fairly routine size was encountered, according to dealers.

Citronella—Formosa material was quite firm, because of continued effects on the market of the drought in that island. Prices advanced at least 20c. per pound during the week, bringing the low-of-the-range price up to $2 per pound. Other sources quoted upwards to $2.50. Some consumer resistance was encountered because of this relatively high level of price for Formosan citronella, it was noted by observers in the trade. Nevertheless, prices were not likely to ease in the weeks just ahead.

Clove—The USP oil has been slightly weaker ever since its drop of a month ago, but during the past week it regained some of its lost ground, pricewise. Although a low-of-the-range quotation of $2.85 per pound was maintained, other sources moved their prices upward, and it was considered uncertain how much longer any material would be available under $3 per pound. Buying was said to be on the light side for this material, with consumers entered the market for their immediate requirements, but not showing any overly active interest. Most dealers stated that they were satisfactorily supplied at the present.

Lemon—Volume of demand showed no extensive shift over the week, it was reported by dealers. While the usual amount of re-ordering is being encountered, there is little or no heavy buying at this time. Some additional interest was expected to develop gradually during the coming month. Prices last week occupied a range of $4.50 to $5.50 per pound, according to supplier.

Lemongrass—Material on hand was rated as sufficient to care for the current level of market needs, making the supply situation a comfortable one. Prices were steady within a range of $1.70 per pound and up.

Olibanum—Although the standard grade of this material was unchanged at $5.50 per pound and up, the extra fine grade was quoted from $8 to $9 per pound. Previously a price of $8 had been the only offering.

Orange—Demand was rated as fair by most in the trade, with some observers expecting a pickup in buying volume during the coming thirty days. Prices right at the present are firm as listed, with California oil selling from 55c. to $1.25 per pound, depending upon supplier, and Florida oil quoted from 50c. per pound and up. Supplies were considered good but not unwieldy.

Peppermint—The spot market showed prices ranging upward from $6.50 per pound for natural oil and for $6.80 for redistilled material. Sales at these levels represented declines of 65c. per pound from earlier figures. Whether future sales could continue to be made at comparable figures appeared uncertain, however, since the imminent arrival of new crop material on the market was a factor still to be reckoned with. Distillation is now going on in producing states and definite information on production yields should be available in the very near future.

Sandalwood—Prices continued firm and took a slight further upward movement during the week. While an earlier quotation of $17.50 per pound was maintained, from other directions prices up to $18.75

For Late Market Developments, See Page 4

Imports Detained by FDA

Week Ended August 26

New York

Aniseed (4 lots), 445 bags: filthy.
Black pepper (25 lots), 1,654 bags: live insects; moldy; excess siftings.
Coriander seed (7 lots), 2,500 bags: filthy.
Cassia (17 lots), 2,508 bags: filthy.
Cocoa beans (2 lots), 106 bags: moldy; live insects.
powder (2 lots), 533 bags: excess shell.
Cumin seed (5 lots), 1,642 bags: filthy.
Clove (5 lots), 390 bales: filthy.
Celery seed, 170 bags: filthy.
Gum Karaya (5 lots), 231 bags: filthy.
Kola nuts, 70 bags: wormy.
Nutmeg (3 lots), 350 bags: moldy and wormy.
Orange peel, 29 bags: filthy.
Paprika (3 lots), 401 bags: filthy.
Rauwolfia root, 210 bags: moldy.
Turmeric, 60 bags: insects.

Baltimore

Sugar, 4,156 bags: damaged.
Sage leaves, 200 bales: filthy.

Philadelphia

Cocoa, 3 bags: filthy.

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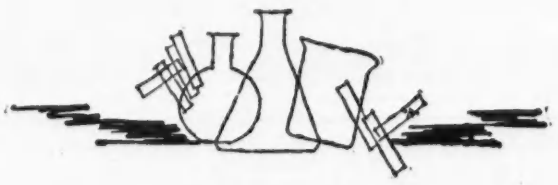
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per pound were heard. All indications in the trade pointed to a strong situation in this oil for the immediate future.

Spearmint—Prices held their firm position with a quotation of $4.75 per pound forming the low-of-the-range. The effect on the market of new crop material was not yet completely determined. Distillation is now going on in Indiana, Wisconsin, Michigan and other oil-producing state. The crop yield has been reported down from last year's, but the situation was not thought to be serious enough to send prices skyrocketing. More definite information would be available shortly.

Wormseed—A quotation 25c. per pound under the earlier low-of-the-range of $4 was noted last week. Other sources, however, effected no changes in their listings.

Aromatic Chemicals

Coumarin — Prices moved up 25c. per pound last week in spot sales and were slated to move up the same amount for contract shipments on October 1. The new listings for NF material brought the price for 200-pound drums up to $3.45 per pound. One maker, however, maintained a price of $3.20 per pound, but reported as OPD went to press, that it might revise this quotation shortly.

Ionones—New quotations for alpha and methyl ionones were effected last week, when each material was lowered to $5.10 per pound. The former low-of-the-range quotation had been $5.55 per pound. Beta ionone was steady within a range of $6 and up.

Linalool—Production of linalool during 1954 amounted to 139,000 pounds, according to figures released by the government. Sales were reported at 44,000 pounds during the year, with a unit value of $5.85 per pound.

Methyl Salicylate—An advance of 3c. per pound was effected by the makers, bringing the price of USP material in drums up to 56c. per pound. A long-standing advance for salicylic acid was thus reflected in the related material.

Phenylethyl Alcohol—Production of 886,000 pounds during 1954 was reported by the government. Sales during the year amounted to 844,000 pounds, acording to the same report, with a unit value per pound of $1.13.

Miscellaneous

Clove—Madagascar prices dropped 1c. per pound, while Zanzibar material firmed by the same amount. This placed quotations at 42c. and 44c. per pound, respectively.

Coriander—Prices for Moroccan material declined by 1½c. per pound, for material that previously had been quoted on a "when released" basis. At the same time, dealers quoted a ½c. rise in Yugoslavian material.

Nutmeg—The East Indian grade declined 1c. during the week's trading. A similar reduction was effected in quotations for West Indian material.

Pepper—Black, Malabar, pepper firmed considerably when a sale of 1,000 tons to Russia was reported, and then backed off to lose some of its original gain. Spot prices stood at 43c. per pound by the week's end, for a net gain of 2c. Prices for red Turkish were off 2c. while white declined 1c.

Pimento—Jamaican prices firmed, adding 2c. to a previous listing of 84c. to 86c. Mexican declined by 2c. to bring listings down to 71c.

Poppy—Dutch and Polish material eased, the first by ½c. and the latter by 1c. Other quotations were steady as previously reported.

Sesame—Firmer quotations were effected for hulled Nicaraguan, which went up 1c., and for natural Salvadorian, which advanced ¼c.

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Textile and Leather Chemicals

Footwear production in July 1955 of 40,900,000 pairs showed little change from the July, 1954, mark of 41,100,000. It was, however, 18 percent below the June, 1955, total of 49,600,000 pairs. July shipment of footwear (45,200,000) were valued at $156,500,000.

Men's dress shoe production in July of 5,600,000 pairs showed an increase of 9 percent over July last year but was eighteen percent below the 6,800,000 pairs made in June, 1955. Women's dress and work shoe production this month amounted to 13,700,000 pairs representing a decrease of 12 percent from the 15,500,000 pairs made in July, 1954, and was six percent less than the number made in June, 1955. The output of all other footwear in July was six percent higher than in July, 1954, but was twenty-four percent lower than the level of last month.

The July rate of fiber consumption on the woolen and worsted systems was 10 percent below the June rate but 7 percent above that of July, 1954, according to the Bureau of Census. The weekly average raw wool consumption during July was 6,837,000 pounds (scoured basis), or 11 percent below the June level, but 3 percent above that of July, 1954. While the rate of consumption of carpet class wool decreased 26 percent compared to the previous month, it was 21 percent higher than July, 1954. The consumption of apparel class wool was 4 percent below the June level and 2 percent below that of July of last year. Consumption of fibre other than raw wool averaged 4,958,000 pounds, or 8 percent below the June average but 13 percent above the average of July of last year.

Chemicals

Bichromates — An announcement was made by major producers of an advance of 3¼c. per pound for sodium bichromate and chromate and 1½c. for potassium for spot delivery. The advance, to go into effect on October 1, was attributed to rising production costs. Production of sodium bichromate and chromate in June totaled 10,289 tons, compared with 10,734 tons in May and 8,968 tons for June of last year. Stocks at producing plants amounted to 3,792 tons, June 30 and 3,834 tons, May 31.

Tanning Materials

Collections of raw cattle hides in France were 194 million pounds in 1954 compared with 182 million in 1953. Purchases of cattle hides by tanners were up about 10 percent in 1954. The increase in cattle slaughter was continuous throughout the year, while the needs of the tanning industry increased at a slower rate. A buyers market prevailed. Prices dropped steadily, from an average of 12 U.S. cents per pound in January to 11 cents per pound in December. With the increased offerings of hides, the government decided to liberalize the export of heavy and extra heavy hides to OEEC countries. As a result of the liberalization, exports to three northern European nations were doubled.

Sizing Materials

Albumin Blood—The seasonal decline was still in effect last week. Prices were unchanged and steady, ranging from 65c. to 80c. per pound, depending upon quantity.

Corn Dextrin—Buying was limited to that of actual needs, a producer noted. The market was firm at the recently advanced price of 20c. per 100 pounds. Gum was quoted at $9.15 per 100 pounds, paper bags, carlots, New York delivery; canary, $8.89; dark $8.99 and white $8.73, same basis. Smaller quantity were 15c. per 100 pounds higher.

Corn Starch — Immediate delivery appeared the limiting factor to buying interest. Prices remained rooted to the recent advance of 10c. per 100 pounds, the first variation in the price face of the market in about three years. Pearl was quoted at $7.24 per 100 pounds, paper bags, carlots, New York, and powder, $7.39, same basis. Lesser quantities were 15c. per 100 pounds more. Visible corn supply increased 278,000 bushels to 17,785,000 bushels for the week ending August 18, compared with 10,548,000 bushels for the corresponding week last year it was reported by the Chicago Board of Trade.

Egg Albumin—The market has been steady and fair, with consumers purchases restricted to their immediate needs. Prices were raised 4c. per pound and flake was quoted at $1.64 to $1.66 per pound and powder, $1.68 to $1.70 per pound, according to quantity. The technical grade was inactive and quotably unchanged at 70c. to 85c. per pound, spot, same basis. Liquid egg production during May for immediate consumption, drying, and freezing totaled 84,867,000 pounds, compared with 72,498,000 in May last year and the 1949-53 average of 91,103,000 pounds, the Crop Reporting Board announced. The quantities used for immediate consumption and freezing were larger than last year. The quantity used for drying was smaller. Dried egg (egg solids) production during May totaled 2,913,000 pounds, compared with 3,178,000 pounds during May last year and the average of 7,000,000 pounds. May production consisted of 451,000 pounds of dried whole egg, 1,293,000 pounds of dried albumen and 1,169,000 pounds of dried yolk. Production during May last year consisted of 404,000 pounds of dried whole, 1,128,000 pounds of dried albumen and 1,646,000 pounds of dried yolk. Frozen egg production during May totaled 68,700,000 pounds, compared with 55,448,000 pounds in May last year and the 1949-53 average of 65,449,000 pounds. Frozen egg stocks increased 43 million pounds, compared with 30 million pounds in May last year and the average increase of 35 million pounds.

Egg Yolk—Sales showed only fair for this product during the week, with most consumers buying only at the dictates of necessity. Prices were reduced 3c. per pound in some quarters. Spot stock ranged from $1.04 to $1.07 per pound, depending upon quantity and seller.

Potato Starch—The quietness of this market continued through last week. Available stocks held by grinders were light and firmly held. Market in Maine was nominal at 7c. per pound, carlots, f.o.b. mills and 6¾c., same basis. Buying interest lagged which is usual at this season. Stocks on spot were maintained at 9c. to 9½c. per pound, exwarehouse, depending upon quantity. Imported starch also was inactive and quoted at 7.35c. per pound, carlots, exdock, duty paid, prompt shipment.

Sago Flour—Spot stocks were held at prevailing quotations, though the market was quiet. Raw flour was unchanged at 6½c. to 6¾c. per pound, and refined 8¼c. to 8¾c., exwarehouse, depending upon quantity.

Tapioca Flour—Consumers continued to show good inquiry for prompt and forward delivery from Brazil. Shipments were unchanged and steady at 6¼c. per pound, carlots, exdock. Interest in Far Eastern flour continued slow and the bulk of sales of late have been restricted to Brazilian grades. On spot, prices were maintained at 7¾c. to 8¼c. per pound, exwarehouse, according to quantity.

Chestnut Extract—No changes in quotations were noted last week; the market was very steady, with consumers demands still slow. Liquid 25 percent tannin was quoted at 4c. per pound, tankcars, f.o.b. works; 4¾c. per pound, barrels, carlots, and 5.10c. barrels, less carlots; powdered 60 percent tannin, 10.32c. per pound, bags, carlots, and 11.02c. bags, less carlots, same basis.

Cutch—Fair interest was being shown in inquiries for later requirements. Shipments were held at 8½c. per pound, ex dock, plus duty. The market was steady with no visible changes in quotations.

Mangrove Bark—The basic market remained steady and at current price levels. Slight interest in replacement continued to be the sales picture. African bark was offered at $69 to $71 per ton, ex dock. Colombian bark was unchanged at $58 per ton, ex dock, and Ecuadorian $55 per ton, same basis, prompt shipment.

Myrobalans—Shipment prices continued as before. Buyers interest, however, continued light. Assorted J1s were quoted at $60 per ton, exdock; crushed $82, and Bombay, $56 per ton, on the same basis. Solid extract was scarce.

For Late Market Developments, See Page 4

Price Trends

Advanced

Corn dextrin, 20c. per 100 lbs. starch, 10c. per 100 lbs.

Reduced

None

Comparative Price Indexes

(100—1949 average)

Last week	Prev. week	Last month	Sept. 3, 1954
105.39	105.39	104.60	94.62

(For Current Prices see Page 9)

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Oils, Fats and Waxes

Trading in vegetable oils last week was generally slow, and consumers limited demand to immediate needs. Soybean oil was irregular, and ended lower. Coconut, cottonseed and peanut oils were off fractionally due to lack of interest, while linseed oil in Minneapolis advanced fractionally with declines in meal, and active demand against old contracts.

The fats and greases market was active during the week, and good export demand for extra tallow spurred gains in all grades. Domestic sellers and soapers were also active on the strength of good demand from Asia, Europe and Africa. Oleo oil was quiet and about unchanged. The fish oil market continued dull and featureless.

Copra was off, causing declines in coconut oil. Cottonseed meal was generally plentiful, but firm sellers' ideas coupled with hand-to-mouth demand from feed manufacturers kept prices about steady. Demand for soybean meal was not overly active, but supplies were short and old crop meal rose substantially.

Waxes declined sharply early in the week, but recovered some lost ground. Yellow No. 1 Ceara and Parnahyba carnaubas were stronger due to short supplies, but other grades failed to completely recover early losses. Beeswax was also lower, and domestic montan declined. There was no imported montan available.

Vegetable Oils

Coconut—Buying interest was dull, and the market declined fractionally. Crude oil was offered at 10⅝c. per pound, tankcars, f.o.b. Pacific Coast, September shipment.

Cottonseed—Trading in futures continued fairly active last week, with prices irregular. Demand for prompt oil was spotty. Refined salad oil eased to 15⅝c. per pound, tankcars, New York, prompt delivery.

Crude oil was easier on spot. Oil in the southeast was sold at 11⅝c. per pound for nearby, with 11⅝c. in the valley, and 11¼c. bid in Texas.

Sales and prices of prime summer yellow cottonseed oil futures in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended September 2 follow:—

	Sales	Cents per pound High	Low	Close
September	21	13.70	13.57	13.67@13.75
October	34	13.43	13.34	13.40@13.43
December	60	13.40	13.27	13.37S
January	3	13.37	13.33	13.37@13.40
March	28	13.34	13.18	13.32@13.35
May	25	13.30	13.16	13.30@13.31
July	3	13.22	13.20	13.22@13.26

Total sales, 174 contracts.

Memphis.—Cottonseed oil in the southeast was quoted at 11½c. per pound, nominal; soybean oil, 11½c, trading quiet. Cottonseed meal quoted at $55 per ton, sacked, with hulls $12 per ton, Memphis valley.

Linseed—Prices were firm and fractionally higher, as meal declined and flax held steady. Withdrawals against old contracts continued active, although bookings for new business were slow. Oil was firm for nearby, and crude was quoted at 13½c. per pound, tankcars, Minneapolis, September; October shipment rose to 13.2c., and November-December, 12.4c. per pound.

Minneapolis.—The linseed oil market turned dull again following the previous week's heavy bookings. Shipping directions were steady. Sales in the preceding week were said to be the best in a long time, with all positions traded to the end of the crop year. November-December positions drew the best play as this oil was reported booked at 11.8c. a pound. The latest open schedule on oil in tankcars, f.o.b., Minneapolis, was:—13.5c. per September; 13.2c. October, 12.4c. November-December and 12.2c. January-June. Warehouse pricing basis was 13.7c. for nearby.

Shipments of linseed oil, in pounds, were as follows:—

	1954-55	1953-54
Past week	5,380,000	6,540,000
Since Sept. 1, 1954	385,660,000	329,700,000

Flaxseed—Market was steady. Demand was good.

Minneapolis.—The flaxseed market held steady at $3.10 a bushel last week. Purchases in the spot cash market totaled 110 cars. To-arrive bookings amounted to 180 cars and 80,000 bushels in trucklots. There was a good demand for country offerings. Receipts of seed for all accounts for the week totaled 943 cars as against 930 cars the preceding week and 670 cars in the like week last year. Shipments from Minneapolis totaled 84 cars, compared to 77 cars the previous week and 166 cars a year ago. The Minneapolis office of CCC announced it had sold 1,250,000 bushels of flaxseed to crushers for toll-crushing. More than half of Minnesota's flaxseed crop was threshed by week's end. The west-central area was four-fifths threshed while the northwest (Red River Valley) was only 10 percent threshed. Other flax areas of the state were threshed.

Receipts and shipments of flaxseed, in bushels were as follows:—

	Receipts 1954-55	Receipts 1953-54	Shipments 1954-55	Shipments 1953-54
Past week	1,650,250	1,163,500	147,000	479,500
Since Sept. 1	31,800,750	29,659,400	5[illegible],000	7,377,550

Peanut—Demand remained sluggish, with crude off fractionally. Small quantities were offered at 17½c. per pound, tankcars, Southeast. Refined oil was quiet, quoted at 20½c. per pound, New York, prompt delivery.

Soybean—The market was irregular, and ended lower. Crude oil was sold at 11⅛c. per pound, tankcars, Decatur September; 10⅞c. second half September, and scattered October, 10½c. bid, same basis. Refined salad was lower at 13⅞c. per pound, tankcars, New York, prompt delivery.

Sales and prices of crude soybean oil futures on the N. Y. Produce Exchange in tankcars (60,000 pounds) for the week ended September 2 follow:—

	Sales	Cents per pound High	Low	Close
September	3	10.84	10.81	10.75@10.85
October	4	10.32	10.32	10.32S
December	10	10.13	10.10	10.12@10.14
January	7	10.10	10.10	10.06@10.10
March	7	10.11	10.02	10.10@10.12
May	7	10.10	10.05	10.09@10.12
July	17	10.04	10.00	10.04@10.05

Total sales, 55 contracts.

Fats and Greases

Greases—Demand for greases stiffened on the domestic market last week, and prices rose ¼c. per pound for all grades. Purchases were heavy on the rising market, as dealers were active. Yellow greases were higher, quoted at 7¼c. to 7⅜c. per pound, tankcars, delivered; choice white all hog, 8½c. per pound, same basis and not all hog, 8¼c. per pound, same basis.

Lard—The market was quiet and entirely nominal. Cash lard was lower at 10¾c. per pound, drums, f.o.b. Chicago.

Tallow—Edible tallow declined fractionally in the face of generally good demand. Inedible tallows showed firmness last week, with dealers purchasing tankcar quantities and export demand active. Formosa, Japan, Italy and Africa contributed to strong interest for extra and other grades. Bleachable fancy was sold at 7⅞c. per pound, tankcars, deliverved. Extra was sold at 7¾c., with 8c. asked; special, 7⅜c. and No. 1, 7½c., same basis. Guaranteed fancy rose to 9.15c. and 9¼c. asked, drums, f.a.s.

Miscellaneous

Castor Beans—Market was unchanged and nominal around $115 per ton, c. and f., prompt shipment. Business was reported quiet.

Imports of castor beans and castor oil at New York and Philadelphia last week were as follows:—

	Pounds Beans	Oil
Last week	761,850	574,000
Previous week	393,850	.....
Corresponding week, 1954	564,750	27,480,000
Total this year	55,393,115	55,384,000
Corresponding period, 1954	77,278,400	27,480,000

Cocoa Butter — Prices were irregular and higher. Spot stocks were quoted at 57c. to 60c. per pound, according to quantity.

Copra—Shipments were lower and nominal, declining to $147.50 per ton, c.i.f. Pacific coast.

Cake and Meal

Cottonseed Meal—More mills began to crush for the season and offerings were plentiful considering the demand. Most oils mills were fairly firm on their price

For Late Market Developments, See Page 4

Price Trends

Advanced

Cocoa butter, 3c. per lb.
Greases, ¼c. per lb.
Oil, linseed, 0.10c. per lb.
Soybean meal, $5 per ton.
Tallow, inedible, ⅜c. per lb.
Wax, carnauba, yellow, No. 1, Parnahyba, 1c. per lb.

Reduced

Copra, $2.50 per ton.
Cottonseed meal, $3.50 per ton.
Lard, 0.4c. per lb.
Linseed meal, $1 per ton.
Oil, corn, refd., ⅛c. per lb.
Cottonseed, crude, ⅛c. per lb.
refd., salad, ⅜c. per lb.
Coconut, crude, ⅛c. per lb.
Peanut, refd., salad, ¼c. per lb.
Soybean, ⅛c. per lb.
Tallow, edible, ¼c. per lb.
Wax, bees, refd., 1c. to 2c. per lb.
Carnauba, north country, 2c. to 4c. per lb.

Comparative Price Indexes

(100—1949 average)

Last week	Prev. week	Last month	Sept. 3, 1954
102.43	104.01	105.27	108.08

(*For Current Prices see Page 9*)

ideas and were reported to have sold a fairly good volume of new crop production. Feed manufacturers were reluctant to take on any large tonnage at prevailing prices although the price relationship appeared to be good and demand was expected to be stimulated as soon as pastures deteriorate. Forty-one percent sacked meal was offered at $55 Memphis, $53.50 Alabama and Georgia, and $54.50 South Carolina mills, September through December shipment, with 36 percent protein $5 per ton less.

Soybean Meal—Demand was generally slow for soybean meal, but on the other hand supplies for immediate shipment were tight. The market definitely showed a squeeze for nearby shipment with prices for unrestricted soya being quoted as high as $58 per ton, Decatur basis for September shipment. Some feed manufacturers who have continued to buy on a hand to mouth basis are having to come into the market for supplies. Very little new crop soybean meal was being traded on the market and prices held fairly steady at $50 per ton, Decatur basis for October forward.

Waxes

Beeswax—The market weakened at the beginning of the week, then showed some recovery. African crude was quoted at 63c. per pound, spot. Other crude grades were unchanged.

All refined grades were lower than during the previous week. Refined white USP bleached bricks were quoted at 73c. to 76c. per pound; slabs, 72c. to 75c. per pound; yellow bricks, 65c. to 67c. per pound, spot, as to quantity.

Carnauba—The market showed signs of recovery after a sharp drop the previous week. However, prices were generally lower, with the exception of quotations for yellow No. 1 Ceara, listed at $1.02 to $1.06 and No. 1 Parnahyba, quoted at $1.05 to $1.07 per pound, spot, as to quantity. Both items were in short supply.

North country No. 2 was lower, at 65c. to 66c. per pound; pure refined was off to 71c. to 73c. per pound. No. 3 Ceara crude was newly quoted at 57c. to 59c.; pure refined, 65c. to 67c.; technical, 62c. to 63c. No. 3 Parnahyba declined to 59c. to 61c., with pure refined listed at 66c. to 67c., as to quantity and seller.

Montan—Market was lower, with refined domestic wax listed at 27c., nominal. There was no Bohemian or German wax available.

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National Formulary Revision Includes Extensive Alteration

Publication of the tenth edition of the National Formulary reveals one of the most extensive revisions in the history of this work, and is the result of the efforts of the committee on National Formulary, supplemented by advisory committees, extending over a five-year period.

The course of the current revision, 474 of the 717 monographs from NF IX were continued in NF X. The deletion of the 243 items is accounted for, in part, by the rapidity with which drugs become obsolete, and in part by the fact that a substantial number of NF IX monographs was admitted to the United States Pharmacopoeia XV on the basis of their therapeutic or pharmaceutical essentiality.

Of the 733 monographs included in NF X, 128 cover other extensively used drugs of therapeutic importance for which official standards would not otherwise be provided. In this group are included such drugs as the amphetamine phosphates, the choline salts, dihydrocodeinone bitartrate, dihydroxyaluminum aminoacetate, glycobiarsol, inositol, mephenesin, mephobarbital, nitrofurazone, methaphenilene hydrochloride, pheniramine maleate, promethazine hydrochloride, protamine sulfate injection, quinidine gluconate, dosage forms combining two or more sulfonamides, five monographs covering the different types of tocopherol representing vitamin E activity, and vinbarbital.

During the revision of the USP XV, 160 drugs and preparations were deleted. Specifications for 131 in this group were admitted to NF X. In this category are included such drugs and dosage forms as aspirin capsules, boric acid ointment, estradiol, gentian, ox bile extract, pancreatin, and combinations of theobromine with salicylates and acetates.

Virginia-Carolina Appoints Rowlett to Research Position

Dr. Russell J. Rowlett, jr., has been appointed assistant director of Virginia-Carolina Chemical Corporation's research department. Dr. Rowlett began his career with E. I. duPont de Nemours & Co. as a research chemist. Later he transferred to *Chemical Abstracts* where he served as associate editor before joining the research department of Virginia-Carolina in 1952.

Budget Bureau Asks Views Of Exec. Branch Agencies

The Bureau of the Budget has asked executive branch agencies to submit their views on the report of the Commission of Intergovernmental Relations to the bureau by September 30. The commission's 311-page report, presented to the President nearly two months ago, (OPD 7/4/55), among other things backs the federal government's policies in providing aid to the states on public health.

The report, the outgrowth of a two-year study, also points out that there is justification for increased participation by the national government in the growing water pollution problem. However, the commission made it clear that it wants federal participation limited to the providing of technical and financial assistance to state-controlled agencies and to possible monetary aid to cooperative programs for construction of abatement facilities.

Budget director Roland R. Hughes asked each executive agency to indicate 1.) how the recommendations in the commission's report affect the agency's programs and operations; 2.) the agency's views concerning recommendations of interest to it in the report, and 3.) suggested methods of putting the recommendations into effect, including the relationship of the proposals to the agency's legislative program.

Nitrate Industry in Chile Discussed in Memorandum

The Chilean nitrate industry, which now brings into the country about $20,000,000 in foreign money, could double its sales if it were not held down by exchange restrictions, according to a report prepared by Chilean Nitrate & Iodine Sales Corporation. In a discussion of the industry's problem, the memorandum pointed out that Chile, which at one time supplied 65 percent of the world's nitrate, is now producing only about 1,500,000 tons annually, or about 3.5 percent.

Baker Fills Market Post

G. Morgan Homewood, jr., has been appointed marketing research manager of J. T. Baker Chemical Company, Phillipsburg, N. J. Prior to joining Baker, Mr. Homewood was a market research member of Atlas Powder Company's planning staff.

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1—#00 Raymond Mill, 30 HP complete.
2—#0000 Raymond Mills.
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Schutz-O'Neill #1 & 20" Pulverizers.
Williams #3 & 2XX Hammer Mills.
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Jeffrey 18"x18" single Roll Crusher.
Buchanan 5"x12" Jaw Crusher.
2—Robinson 18" & 22" BB Attrition Mills.
1—Lehman 4 roll WC., 12"x36" Steel Mill.
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2—I.R. 650 gpm Series 5CRVL 30 HP.

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3—Devine double door Vacuum Shelf 17 and 20—59"x78" shelves.
3—Stokes Rotary Vac. 3'x15', 30"x8', 18"x42".
1—Devine Rotating Vacuum 5'x10'.
6—Rotary Dryers 5'x30', 5'x40', 4½'x50', 6'x40', 8'x72'.

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8—Day Cincinnatus double arm 660, 250 and 100 gals.
3—Baker Perkins 100, 50 gal. double arm, jacketed.
7—Sprout Waldron S.S. jacketed, Powder, 67, 27 and 10 cu. ft.
1—Struthers-Wells 6'x9' S/S. Rotating, jacketed.

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1—Patterson NEW 6'x8' Porcelain lined Mill 50 HP motor.
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1—Niagara 110-20 Filter with 12 S/S leaves.
2—#3 Sweetland S/S Filters, 12-25" dia. leaves 75 sq. ft.
5—#3, #5, #7, #10, #12 Sweetland Filters.
4—Shriver 36"x36", 30"x30", c.i. Filter Presses, P&F, washing.

MISCELLANEOUS
2—S. W. Dowtherm units 2,000,000 & 3,000,000 btu.
4—Orville Simpson Rotex Sifters 40"x120", 40"x84", 20"x81".
7—Stokes #DDS2, #D3 and "R" Tablet Presses.
7—Nash vacuum Pumps #H7, #H6, #L5, #L3, #4, #2.
7—Durco S/S Centrifugal Pumps 1" to 3".

Partial List of Values—Send for News Flash!

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PERRY EQUIPMENT CORP.

LIQUIDATING
From CLOSED PLANTS

1—Stainless Steel Tank T316, 4000 gal., 5/16" thick, heat treated.

1000' Type 347 St. St. Tubing 3" OD x 1/8" wall.

3—Centrifugal Pumps with 30 HP to 50 HP motors to 1000 GPM.

1—York 11 x 13 Ammonia Compressor, with 150 HP motor.

2—Frick Ammonia Compressors, 9 x 9 and 8 x 8.

1—Worthington 75 HP Air Compressor, 450 cfm.

1—Nash H-4 Hytor Compressor with 20 HP motor, Bronze.

1—8800 gal. Horiz. Steel Pressure or Vacuum Cooker, ASME 85#, with agitator, drive, pump.

1—Fitz. Model F Comminuting Mach., St. St.

1—Gruendler 36x24 Hammermill.

1—Jay Bee Hammer Mill, 75 HP.

1—Coppus Steam Turbine, 75 HP.

1—Penna. Ring type Granulator, Trojan K3-24, 18" x 36" hopper opening, 40 HP motor.

1—Link-Belt Skip Hoist, 4800# cap. 50 FPM, 43' lift, 15 HP.

2—Shepard-Niles 4 ton monorail cranes, cab controlled, 15 HP motor, 80 FPM, 25' lift.

3—Rotoclone size 20, type W. Exhausters and Dust Collectors, 40 HP motor.

2—Richardson Convey-O-Weigh Scales.

1—Steel Bucket Elevator, 81' H, 16" x 16" x 8" buckets.

7—Bucket Elevators—20' to 42' H.

400' Screw Conveyor, 6" dia. & 9" dia.

1—24" W Pan Conveyor, 150' L.

2—12" W Pan Conveyors, 85' & 36' L.

2—18" W Trough Belt Conveyors, 85' & 16' L.

1—Drag Conveyor, 8" x 16" x 65'

1—Traylor Rotary Kiln, 10'6" D x 105' L x 3/4" welded shell.

3—Rotary Dryers: 5' x 30'; 4'6" x 40'; 3' x 24'.

3—Rotary Chrome Nickel Alloy Furnace Tubes, 24" dia. x 8'6" L.

1—Allis Ch. Contin. Steel Ball Mill, 6' D x 16' L.

3—Pebble Mills, Contin., 4'6" D x 12' L.

1—Charlotte #50 Colloid Mills.

1—Humbolt Colloid Mill, Jacketed, 50 HP.

1—Bird 36 x 50 Solid Bowl Centrifuge.

1—Bird 24" Horiz. Cont. Centrifuge with 15 HP motor.

1—Fletcher 40" Perf. Basket Centrifugal susp., steel.

1—Sweetland #5 Filter, 20 lvs.

1—Permutit Water Softener, 4700 GPH.

1—Sperry 30" C.I. P&F Filter, 46 ch., hydr. closer, vis. cl. disch.

2—15,000 gal. Horiz. Steel Oil Tanks.

1—9500 gal. Horiz. Steel Acid Tank.

4—15,000 gal. Vertical Welded Steel Tanks with coils and agit.

3—9100 gal. Vertical Welded Steel Tanks, brewery glass lined.

15—4300/4600 gal. Horiz. Welded Steel Tanks.

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PEBBLE MILLS—14 gal. jar, 4x5, 6x5 porcelain lined. 24x36 S/S ball mill, w/ motor drives.

SCREENS — 3x3 Tyler Hummer (single/triple) Robinson gyro sifters #28.

FILTERS—Sweetland S/S, Eimco 3x1 (S/S, Oliver 5x3 & 5x8 precoat, Feinc 5x3 monel (string discharge).

FORK LIFT — 7500# Hyster pneumatics, new engine.

VACUUM PUMPS—Nash Hytor MD673, 623, H 7, Ingersoll Rand 16 cfm 2 stage.

ROTARY DRYERS—12"x22', 4'x20', 6'x60'.

HARDINGE MILLS—2'x8", 4½'x16", 6'x22", 7'x48".

BLOWERS—Spencer 1300 cfm 16 oz.—Sturtevant Design. Size 115 (New).

CRUSHERS—Roll—18x18, 32x12, 30x16, & 24x36 McLanahan single roll.

CRUSHERS—JAW—6x9 New Holland, 11x 26 Champion, 24x13 Farrel.

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Shriver 18" Rubber Covered Filter Press.
500 gal. Reaction Kettle, 316 Stainless.
Kent 3 Roll 5"x8" water-cooled Mill, MD.
Abbe Lenart 400 gal. Dispersion Mixer.
Stokes Model G1 Powder Filler.
Dumatic Tube Wraparound Labeler.
Star 12" Disc Stainless Steel Filter.
Lee 300 gal. S/S Jktd. & Agted. Kettle.
Stokes Model E Tablet Press.
Tyler Rotop Sifter.
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Sharples Super Centrifuge.
Sharples C20, SS, Super-D-Hydrator.
Sharples C27, SS, Super-D-Hydrator.
Sharples PN14, SS, Super-D-Canter.

TOWERS
SS 18-8 Scrubber, 12"x15'.
SS 347 lined, Scrubber, 5'x18'.
6'x29' 21 trays, Stainless.
5'x24' 24 trays, Everdur.
7'x54' 20 trays, 150 PSI.
6'6"x40' 16 trays, 80 PSI.
3'x44' 18 trays, 300 PSI.
Karbate #22, packed, 19"x12' NEW.

BOILERS
3—Kewanee Firebox Boilers, 305 HP, 125 PSI. WP, Series 500, Model 590, ASME & Natl. Board stamped, New 1942.

MIXERS
100 gal. Readco, jktd. dbl. sigma blades.
170 gal. Ajax dbl. arm, power pump.
1050 gal. Paddle dbl. shaft heavy duty. NEW.
3900 gal. hor. jktd. 75 PSI paddle agitator.
39 cu. ft. Patterson Concial Blender.
67-27-10 cu. ft. SS Sprout Waldron Powder.
550 cu. ft. SS. jktd. rotating oscillating.

FILTERS
Oliver, 8'x10', Steel.
Feinc, 8'x12', string discharge.
Sweetland #5, Stainless.
Sweetland #12.

DRYERS
Roto-Louvre 705-20 SS heating coils comp.
Roto-Louvre 604-24 complete w/furnace.
Roto-Louvre 502-20 comp. w/furnace.
Roto-Louvre 310-12 heating coils, comp.
Rotary Vac. 5'x15' nickel clad.
Rotary Vac. 30"x8', Stokes 59AB.
Rotary 26"x8' oil fired with feeder.
Rotary 4'x27' oil fired, motor drive.
Rotary 5'x67' 6" liffters.
Rotary SS, 4'x30' complete.
Rotary Kiln 8'x125'x¾" firing hood.
Rotary Kiln 10'x200'x¾" oil & gas burners, comb. chamber, dust collecting system.
SS Spray, 10'x36', gas fired.
Single drum, 5'x6', atm. scraper.

MILLS
Raymond #1 Automatic.
10'x48" Hardinge Ball Mill.
Raymond #40 Imp. Stainless.
5'x8' Kennedy Type M, w/disc feeder.
6'x8' Abbe & Patterson.

MISCELLANEOUS
PUMP—4000 GPM Peerless Deep Well 80' head NEW.
EXTRUDER—Stainless Steel Screw 2½".
CENT. SEPARATORS—8', 6', 5'.
GYRO SIFTER—72 sq. ft. 2-screen Robinson 28A.
BAG PACKER—Neuman, 50 to 100# bags.
CHURN—Baker Perkins 700 gal. cap.
BUCKET ELEVATORS—10—20' to 75'.

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M26-302—W. & P. 50 Gal Size 14 Class BB Double Arm Jktd. Mixer motorized
M25-223—W. & P. Unjacketed Sigma blade Mixer; 31" x 34" x 28"; 10 HP XPL
M25-212—J. H. Day Cincinnatus No. 4 Sigma Arm Mixer; 50 Gal.
2160—W. & P. Type Jktd. Double Arm 100 Gal. Mixers geared both ends
3677 D1—Baker Perkins Size 17 Class BB Type VII Jacketed Mixers; double sigma arms; geared both ends; 43½"x53"x44".
M25-222—Baker Perkins Unidor Mixer Size 18; 300 Gal. with motor
M26-303—J. H. Day Cincinnatus No. 10; 300 Gal. Stainless Steel Double Arm Sigma Blade Jacketed Mixer
M13-192—Simpson 24". Laboratory Size Mix Muller
3668 S2—Lancaster Mix Muller No. 3 with Skip Hoist
3427—Lancaster Model EAG4 Mix Muller complete with all accessories
M13-191—Simpson 6' Mix Muller No. 2 with 25 HP motor and accessories
M13-195—Simpson Mixer No. 1 48" x 18" with 27" x 5" Muller; 7½ HP
2682—J. H. Day Jacketed Egg Clipper Mixer; 20"x22"x28"
3951 U2—Steel Dough Mixer; 200 gal. 36" x 38" x 42"; tilting; 10 HP Dbl. geared
M29-D240—J. H. Day Double Ribbon Mixer 30"x33"x81"
4060 S1—J. H. Day 400 Lb. Double Ribbon Mixer; 22" x 70" x 28"
3843 S1—J. H. Day 600 lb. Sifter and Mixer; 24" x 24" x 60"
4054 E1—Porter S.S. (Type 316) Ribbon Blender; 30" x 36" x 57¼"—center discharge
3699—New Steel double ribbon Mixers in sizes from 24 cu. ft. to 215 cu. ft.
M29-303—NEW FMC. 2000 lb. Double Ribbon Mixer; 70 cu. ft.
3333—Sprout Waldron Mixers; 283 cu. ft. 5' dia. x 10' long; center discharge
3538—Wolf Powder Mixer; 24"x32"x94" motorized with 5 HP motor
3427 P5—Marquette Paddle Mixer; 24" x 12' long
M26-220—Readco Jacketed Ribbon Mixers; 60 gal. and 80 gal.
3893—Readco Jacketed Double Ribbon Mixer; 210 gal.; 30" x 33" x 68"
M29-301—J. H. Day Jacketed Double Ribbon Blender; size 30" x 78" x 34" with 10 HP motor
3781—Sprout Waldron Stainless Continuous Cylindrical Ribbon Mixer 28" dia. x 12' long
3302—Stainless Tumbling Type Mixer; 5'x5' with 3 HP motor
M29-302—Patterson Stainless Conical Tumbling Mixer; 64 cu. ft. with 7½ HP XPL motor
M29-112—Ransome Rotary Drum Mixer; 9'x11'x6" arr. for motor drive
M-29-R400—Patterson 5' Cone Blender arr. for motor drive with stand
M29-A401—Stainless Steel Ribbon Blender 36' x 44" x 72" water Jacket
M29-A402—Struthers Wells Stainless Steel 6' Cube Blender with drive for 20 HP
3773—NEW Stainless Double Ribbon Mixer Jacketed; 24"x96"
3762 L7—Stainless Steel Mixing Tanks; 1000 gal. 66"x72" with S.S. agitator
3762 L15—Stainless Steel Mixing Tanks; 2000 gal. 76¼"x100" with S.S. agitator
NLC-M1—Steel Mixing Tanks, heavy duty from 75 gal. to 1000 gal.
3692 P1—Heavy duty Post Mixers with 6' shafts and cans 24"x28"
4195 A2—J. H. Day 15 Gal. Pony Mixer arr. for chain drive
3876-P1—Eppenbach Stainless Steel Homo-Mixer; 1 H.P.

EVAPORATORS—VACUUM PANS
SPECIAL:—Zaremba Double Effect INCONEL Evaporator with calandria; 430 sq. ft. of surface; with accessories; print available
3274—Swenson Quadruple Effect Long Tube Evaporator; film type
3475—Zaremba Single Cast Iron Evaporator; 130 sq. ft. Copper tubes
2895—Devine Single Cast Iron Calandria type; 28"x8'
3515—Acme 1600 Gal. Copper 6'x10', coils, barometric condenser, etc.
3557—Croll Reynolds Vac. Evaporator; 39"x5' MONEL with accessories
3670—Copper Vac. Evaporator; 66"x73" coils, heat exchanger
487—Zahn & Nagel Continuous Evaporator; 2500 lbs. per hour
3497 S7—Jacketed Crystallizing Evaporators; 24"x21"x12' long
3340—Brand NEW Stainless Steel Kettles good for 100# always in New York stock; sizes up to 500 gal. immediately
3926—Stainless Clad 80 gal. steam jacketed Kettles; 40#
4041 P46-47—Two Stainless Jacketed & Agitated Pasteurizing Kettles; 46"x30"
3444—Pfaudler Glass Lined Jktd. 350 Gal. Kettle 54"x36"; agitated
3750 FRF—Pfaudler 1000 Gal. Glass Lined Reactor Type XL 66"x66" with 5 HP motor
3597—Special Lot of Copper Jacketed Kettles from 10 gal. to 250 gal.
3218—5200 Gal. Steel Jacketed Closed Top Kettles; 9'6"x9'10½"
3247—Aluminum Steam Jacketed Kettles from 25 gal. to 250 gal.
9988 H3—Aluminum Vacuum Pan 250 Gal. 40"x 60"; Jacketed

CENTRIFUGALS
4041/P40—A. T. & M. 12" Stainless Suspended Type Centrifuge
3615—G1—Tolhurst 48" Overdriven; perforated Basket; Rubber cov. 10 HP.
1152 Mc—Bird 48" Rubber Cov. Extractor; with 40 HP 2 speed motor
1152 Mcl—Bird 12" Rubber Lined Centrifuge with extra Imperforate Basket
C5-136—Fletcher 40" Steel Solid Bowl Centrifugal; 20 HP motor
C4-500—Tolhurst 20" Stainless Extractor; Perforated Basket; under driven
C5-191—Tolhurst 26" Suspended with Plow and Scraper; two speed motor
2945 M4—Tolhurst 40" Overdriven; self balancing with Copper Basket, perforated; 7½ HP motor
C4-121—A. T. & M. type 316 S/S Vacuum & Pressure Hoods, 60"; link suspended; 15 HP 2 speed motor
C5-200—A. T. & M. 40" Stainless Suspended Type Centrifugals; bottom drum; with 40 H.P. motor
C6-201—Three Podbielnik Centrifugal Counter Current Solvent Extractors; 100 PSI seal pressure; 32"x37"x54" overall
C5-205—A. T. & M. 42" Suspended Centrifuge; Perforated Basket; 40 HP
4042/K1—A. T. & M. Stainless Suspended Centrifuge; 30"x15"; 20 HP

DRYERS—ALL TYPES
D9-103—American Double Drum Dryer Model C; 24" x 60" complete
3316—Bagley & Sewell Double Drum Dryer; 28" x 60"
D9-127—Buffalo Vacuum Drum Dryer 5' x 12' with accessories
D9-504—Blaw-Knox Cooling Roll Dryer; 6' x 4' with accessories
655R 6—General American Twin Drum Dryer 42"x120" with accessories
D6-172—Buffalo Rotary Vacuum Dryer; 5'x30' complete
D6-145—Stokes Rotary Vacuum Drum Dryer; 2'x6'
D9-150—Buffalo Double Drum Dryers; 32" x 100"; 42" x 120" and 60" x 120"
D9-151—Buffalo Twin Drum Dryers; 32"x72" and 32" x 92"
3858-S1—Stokes Rotary Jacketed Dryer 18" x 8' with agitator, dust collector and accessories
3994/K3—Stokes Rotary Jacketed Vacuum Dryer; 34" x 10' complete
3053 S1—P.&S. Continuous Apron Dryer; 12 Section; 43'6" L. x 7'4" W. x 14'6" H.
D14W100 Continuous Apron Dryer with Stainless Apron 42" wide x 20' enclosed length with accessories; new in original crate, never erected
3364 B2—Squier Stainless Clad Rotary Atmospheric Dryer; 30" x 20'
D9-506—Buffalo Single Drum Rotary Flaker or Dryer; 4' x 6'
D9-513—Struthers Wells Stainless Single Drum Dryer 5' x 4' complete accessories
D9-514—Buflovak Single Drum Stainless Lab Dryer; good for vacuum; 12" x 18"
D9-511—Buflovak Single Drum Flaker 48"x28" jacketed for cooling; 2 HP
D11-161—Hersey Rotary Gas Fired Dryer (Monel) 3' x 26'; 5 HP
D8-162—Jeffrey Vibrator S/S Dryer 57" x 10' with unit heater, finned coils, fan and other accessories
D11-155—Louisville Rotary Steam Tube Dryers 5' x 28' to 6' x 50'
D11-154—Davenport Rotary Steam Tube Dryers up to 6' x 40'
D11-158—Huhn Direct Fired Rot. Dryer; 3'x12' with accessories
D11-200—Hersey Rotary Dryer; 3' x 21' with 5 HP XPL motor
D11-150—Christie Rotary Dryer; 90" x 60"; complete with accessories
D11-201—Hersey Stainless Steel Rotary Dryer; 4' x 30' with accessories
D11-202—Link Belt Roto Louvre Dryer; Stainless lined; No. 705-20 complete
3506—Horizontal Steel Rot. Dryer or Cooker; Vac. Jkt. Agt. 4' x 7'7½"
3382—Rotary Vacuum Dryer; 52" x 102" with agitator and 10 HP motor
D6-147—Stokes No. 59AA. Rotary Vacuum Dryer; 24" x 72" with accessories
D6-144—Stokes 59B Rotary Vacuum Dryer; 40" x 15' long with accessories
McA-60—Louisville Rotary Steam Tube Dryer; 54" x 40' and Cooler 38" x 20'
SPECIAL:—Rotary KILNS all standard manufacture in sizes as follows: 6'x50'; 6'x80'; 6½'x80'; 7'x120'; 7½'x260'; 8'x120'; 10'x50' and others; direct fired or with combustion chambers
4147-C15—Rotary Dryer; 8' x 123'; ½" Plate thickness; includes tires, trunnions, chain sprocket etc.
3501E3—Devine No. 12 Vacuum Chamber Dryer 40" x 42" complete with Condenser Receiver
D15-809—Stokes No. 138 Vac. Chamber Dryer; 6 shelf 23" x 34"
D15-810—Devine Vac. Chamber Dryer; 16 shelf; 36" x 36" Condenser
3824-S5—Freas Electric Ovens complete; 14" x 16" x 16"
4003—Precision Scientific Electric Ovens; Stainless interiors; up to 180 deg. sizes 6' x 4'6" x 2'6" and 2' x 3' x 4'
D6-502—Buflovak Vacuum Pan Dryer; 7' x 4'; 1000 gal. Agitated
D6-601—Bartlett-Snow Pan Dryer; 10' x 4'; Jacketed good for vacuum
D6-600—Everdur Dry Pan 750 Gal., 7'5" x 2'7½"; jacketed; scraping agitator
R4-502—Buflovak Filter-Dryer; Stainless; 78" x 58" agitated; complete with Condenser, Pump, Cooler

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5—Baker Perkins 1000 gal. Jkt'd Double Arm Mixer.

1—Bowen Stainless Steel Lab. Spraydryer.

2—Stokes Model 43A Stainless Steel Granulators.

1—Stokes Stainless Steel Rotary Vacuum Dryer, 3 ft. x 12 ft.

75—Downington Stainless Steel Heat Exchangers, 650 sq. ft.

9—Stainless Steel Heat Exchangers 15 to 100 sq. ft.

1—Aluminum 10,000 gal. Storage Tank.

1—Stainless Steel 4000 gallons Storage Tank.

2—J. H. Day Gearless Pony Mixers, 50 gallons each.

3—J. H. Day Brighton Mixers, 175 gallons.

4—Baker Perkins Double Arm Jacketed Mixers, 100 gallons, Sigma Blades.

1—Banbury Midget Size Mixer.

1—Buflovak Double Drum Dryer, 32" x 90 in., complete.

1—J. H. Day Double Arm Sigma Blade Mixer, 200 gallons.

1—Pfaudler Glass-lined Rotary Dryer, 4 ft. x 45 ft.

1—Swenson Walker Stainless Steel Jkt'd Crystallizers 20 ft. Long.

2—2500 gal. Steel Pressure Tanks w/coil agitator.

1—Stokes Rotary Vacuum Dryer, 30 in. x 8 ft.

1—J. P. Devine Rotary Vacuum Dryer, 5 ft. x 25 ft.

3—Mixing Equip. 3000 gal. Steel Jkt'd Turbo Agitated Kettles.

3—Buflovak Single Door Vacuum Shelf Dryers, 20 shelves.

3—Stainless Steel Jacketed Kettles, 380 gallons each.

1—Oliver Rubber-lined Vacuum Filter, 3 ft. x 6 ft.

1—Shriver 42" x 42" Cast Iron Plate and Frame Filter Press, 60 chambers.

1—Baker Perkins 100 gal. Jkt'd Double Arm Sigma Blade Mixer Hydraulic T.H.

1—Stainless Steel 250 gal. Jkt'd Kettle.

1—Sperry 36" x 36" Plate and Frame, Cast Iron, Frame Press, 40 chambers.

1—AT&M Type 316 Stainless Steel Suspended Type Centrifuge 18".

1—Bird Suspended Type Centrifuge, 48" Basket with Plow and motor, basket perforated.

2—6' x 40' Rotary Dryers ½" Shell.

1—Bird 48" Solid Bowl Centrifuge, Stainless Steel.

3—A. O. Smith Stainless Steel Heat Exchangers, 1500 sq. ft. each.

1—650 gal. Steel Jktd. Pressure Kettle w/Turbo Agitator.

1—Stokes Model "R" Tablet Press.

5—Cyclotherm C-90 Package Boilers 125 psi capacity 3000 lbs. Steam per hr.

R. GELB & SONS, INC.
UNION, NEW JERSEY Est. 1886 MUrdock 6-4900

FOR SALE

Complete Crystallizing & Filtering Unit Installed 1951, used on Epsom Salts, capacity 1670 lbs. crystals per hr.
Swenson Continuous Rubber Lined Vac. Cooling Crystallizer.
Feinc 6' dia. Horiz. Filter S/S and Steel Construction.
Shriver 30" plate & frame Filter Press.
2100 gal. S/S Horiz. Tank; Pumps; Tanks; Kettles.
All units in very good condition.

1—Blaw Knox 110 gal. Autoclave 2000 psi & jacketed.
1—Davis Inconel Heat Exch. 195 sq. ft.
6—Surface Condensers & Receivers 100 to 175 sq. ft.
1—Carrier 8 Truck Dryer.
4—Devine Double Dr. Vac. Shelf Dryers, 17 & 20 shelves 59" x 78".
1—Double Drum Dryer 4' x 9'.
8—C.I. Filter Presses, 12" - 36".
2—Sweetland Filters No. 10 & No. 12
1—Glasscote 750 gal. G.L. Kettle, coded for 75# Jack. pressure.
2—Pfaudler Reactors, 100 & 500 gal. G.L.

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Sharples Super Centrifuge, SS 2 HP exp.
Autoclave, type 316 SS, Lab. 1 gal.
Day 5 gal. SS. jktd. vac. Mixer, sigma arms.
Gen. American 42" x 120" Twin drum Dryer.
Link Belt SS 5' x 20' rotary dryer.
Pfaudler 10 gal. reactor, ½ HP exp. mtr.
Hersey 4' x 30' SS Rotary Dryer.
Baker Perkins 100 gal. SS Mixer, 20 HP exp.

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NEW AND GOOD-AS-NEW EQUIPMENT

1—Stainless Tank #430 Chrome, vert. 7'x10' deep.
20—Jacketed Kettles—Stainless, Copper, Aluminum.
1—Day Mixer, steam jacketed, 50 gal. Sigma Blade.
1—Copper Evaporator, steam jacketed. 6'1"x3'9".
60—New Pressure Cookers, 18"x18" & 24"x28".
150—Pumps—steam and electric.
1—New Glass Nash Centrifugal Pump, 160 gpm.
1—Buflovak Jacketed Impregnating Tank 42"x52".
1—4x6 Sturtevant Jaw Crusher.
1—Ribbon type Mixer, steam jacketed.
1—Abbe Ball Mill, 36"x42" Buhrstone lined.
#316 Stainless Steel Tanks, new 100, 200 & 360 gal.
1—Nash Air Compressor, Type AL-623.
1—Manton Gaulin Stainless Homogenizer, 125 gph.
1—I&R Vacuum Pump, 5 H.P., 60".
4—Heat Exchangers, 12" dia. 11' lg., 43 steel tubes.
1—Stokes Single Punch Tablet Machine.
1—Kennedy-Van Saun Rotary Dryer, 4'x40'.
Davenport Rotary Steam Tube Dryer, 6'x36'.
2—Stainless Steel Steam Jacketed Readco Mixers.
1—#316 Stainless Reactor, 265 gals. cap., jacketed.
Abbe Pebble & Tube Mill, 5'x22'—Buhrstone Lined.
1—Patterson Ball Mill, porcelain lined, 17"x27".
1—Patterson Ball Mill, 42x36, jacketed.
3—Dopp Kettles with agitators 600 gal. cap.
45—Steel Tanks from 100 to 100,000 gals.
2—Large Steam Jacketed Horizontal Mixers.
Robinson Pulverizer #20, with 2 motors 10 HP each.
Robinson Ribbon Type Mixer, 30"x10"—like new.
4—Horizontal Retorts 200# w.p., A.S.M.E., from 12" to 24" dia., 4' to 12' long.
2—Crystallizers—10' long.
3—3,000 gal. Jacketed Kettles with Turbo Agitators.
1—#10 J. H. Day 300 gal. Sigma Blade Mixer, Jacketed.
6—Blackburn-Smith Jacketed Filters, 20 to 160 gpm.
1—Single Deck Vibrating Screen, 3'x6'.
1—Jeffrey Vibrating Conveyor, 15' long.
4—Hoffman Steam Jacketed Filters.
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3—Pfaudler model ELL and model R reactors—one glass lined.

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Fats, Oils '55 Exports Predicted at '54 Level

—Continued from page 5

Shipments in 1954 rose to a postwar high due largely to sharp increases in sales from Greece, Spain, and Tunisia.

Exports of the palm oils may increase slightly in 1955 as babassu oil may recover somewhat from the negligible levels of the three previous years and shipments of palm oil could be up. Little if any change is anicipated in the total volume of coconut oil because a possible increase in tonnage from the Pihilippines may be offset by a drop in shipments from Indonesia and Malaya.

Copra and coconut oil exports in 1954 were 10 percent larger than in 1953, largely because Philippine exports were up one-fourth from the year before and Malayan shipments increased 15 percent. Palm oil and palm kernel trade, expected to increase only slightly in 1955, established record levels in 1954 with the most significant increases from 1953 occurring in the movement of palm oil from Nigeria, the Belgian Congo, and Indonesia, and palm kernels from Nigeria.

Shipments of Industrial Oils

A decline of possibly one-fourth is forecast in shipments of industrial oils this year due entirely to a substantially smaller volume of linseed oil entering trade. Large quantities from the stocks of government-held linseed oil in the United States and Argentina moved—chiefly to Europe—in 1954, boosting the world tonnage to an estimated postwar peak of 670,000 tons. Thus, with stocks in principal exporting countries reduced materially, and with production in 1954 only moderately larger than the year before, trade in 1955 can be expected to be cut back to more nearly normal postwar levels.

Some increase in castor bean and oil trade is forecast for 1955 with exports from India at an increased rate during the first half of this year. The estimated decline in export during 1954 stems principally from an indicated drop in shipments from China-Manchuria. Rapeseed and oil exports in 1954 declined to less than half the high volume in 1953, largely because of the sharp drop in production of rapeseed in 1953 in France, Sweden, and possibly in China. With considerable recovery in Sweden's production in 1954, and perhaps some increase in China, exports in 1955 may be up slightly.

World exports of animal fats in 1955 are expected to reach a new record. Foreign sales of United States lard and inedible tallow and greases probably will be at least as great, if not moderately greater, than in 1954. Butter exports, however, are not likely to differ much from last year. In 1954 the combined export of all animal fats totaled 1,445,000 tons, pure fat equivalent, slightly larger than in 1953 and nearly double average annual shipments during the 1945-49 period.

Moderate increases in lard and butter exports offset a somewhat smaller trade in tallow and greases. The substantial increase in production of United States lard in the second half of 1954 was reflected in large exports in the last three months of the year. Tallow and grease exports were down due to decreased shipments from the United States and Australia.

Total exports of marine oils will probably decline in 1955 in view of reduced Antarctic whale oil output and an expected reduction in fish oil trade. With exports of whale and sperm oils considered equivalent to production, the combined movement of whale, sperm whale, and fish oils in 1954 totaled 745,000 tons. This is an increase of 11 percent from 1953 and 5 percent from the 1935-39 average. Norway, the United Kingdom, and Japan are the three most important producers of whale oils. And the United States, Norway, Iceland, and the Union of South Africa were the leading exporters of fish oils last year.

Wyandotte Sets Up Divisions

—Continued from page 5

dotte's chemical products, including soda ash, bicarbonate of soda, chlorine, caustic soda, glycols and related products, synthetic detergents, etc. In 1942, Mr. Cremers was elected to the vice-presidency of the sales division simultaneously with the consolidation of the Michigan Alkali Company and J. B. Ford Company to form Wyandotte Chemicals Corporation. Prior to this, he had been manager of distribution, sales manager, and director of sales for Michigan Alkali Company.

Consolidates Activities

The research and engineering division has been established to consolidate technical activities and puts greater emphasis on development and marketing of new products. Previously, Mr. Wolcott was vice-president and general manager of manufacturing for the company. He joined Wyandotte in 1951, having formerly been with New Jersey Zinc Company.

The general products division's activities include operation of the company's quarry at Alpena, Mich., as well as Wyandotte Transportation Company, and the sale of coke, foundry products, and other non-chemical products and services. Mr. Schwarz has been with the company twelve years as controller, treasurer and vice-president. In 1938 he moved to Wyandotte from his previous association with Ernst & Ernst. The manufacture and sale of industrial and specialized cleaning compounds will continue under the J. B. Ford Division, directed by Ford Ballantyne, jr., vice-president and general manager.

Petroleum Ass'n Lists

—Continued from page 7

cants" will be presented by A. B. Crampton, head of the aviation and diesel fuel section of the product research division of Esso Research and Engineering Company. Harry King, head of the fuels and lubricants division of the bureau of ships of the Navy, will talk on "Fuels or Navy Gas Turbines." "Residual Fuels for Gas Turbine Use" will be offered by C. M. Gardiner, supervisor of combustion of gas turbine engineering for General Electric Company. M. C. Hardin and F. G. Dougherty of the Allison division of General Motors Corporation, will talk on "General Fuel Requirements for the Commercial Aircraft Gas Turbine." "Turbos for Vehicles," will be discussed by Dr. A. A. Kucher, director of scientific laboratories at Ford Motor Company.

Scheduled for the final day, September 16, is the annual breakfast party at 10 a.m., with Ethyl Corporation as the host. Other committee meetings scheduled include a joint meeting of the central committee on railroad transportation and committee on car service, of the American Petroleum Association, which will meet at 11 a.m. on September 13. The lubrication committee of the American Petroleum Association will meet at 9:30 a.m. on September 14, and at 11 a.m. that day there will be a meeting of the board of trustees of the National Petroleum Association.

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API Plans to Establish Two Southwest Districts

The American Petroleum Institute's division of production has plans to establish two new districts in the southwestern United States to broaden the base of its activities in this area. The institute stated that the present district, known as the southwestern district, will be split into two parts to be known as the southern and the southwestern districts.

The southern district will include the Texas Gulf Coast, east, south, and southwest Texas, Louisiana, Arkansas, and Mississippi. The southeastern district will include west, west central, and north Texas, and New Mexico.

An institute spokesman stated that this action recognizes the many differences between typical Gulf Coast and Permian Basin operations, and reduces the great distances which were a handicap in operation of the former district, the boundaries of which had gone unchanged for nearly thirty years. In this interval, new and important oil capitals and producing areas have sprung up which were far from the center of the district and thus hard to integrate in its activities.

Druggists Ask Support

—Continued from page 3

tends "to keep all prices high." Mr. Simon charged that the law is vague, and has the effect of making a seller's price to his first customer "almost an irrevocable yardstick" for his prices to all consumers.

The Robinson-Patman act gives the individual businessman seeming protection from "the normal effects of the very competition that the Sherman antitrust act aims at requiring," he maintained.

Cyrus Austin, counsel for Ruberoid Company, New York, said that both the Robinson-Patman act and Federal Trade Commission orders should be clarified. Ruberoid, which manufactures asphalt roofing and other building items, has been ordered by FTC to cease price discriminations. While the firm has done its best to comply, Mr. Austin said it was "impossible for a company having a wide distribution to maintain a uniform pricing system."

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(Part II, Oil, Paint and Drug Reporter for Jan. 30, 1956)

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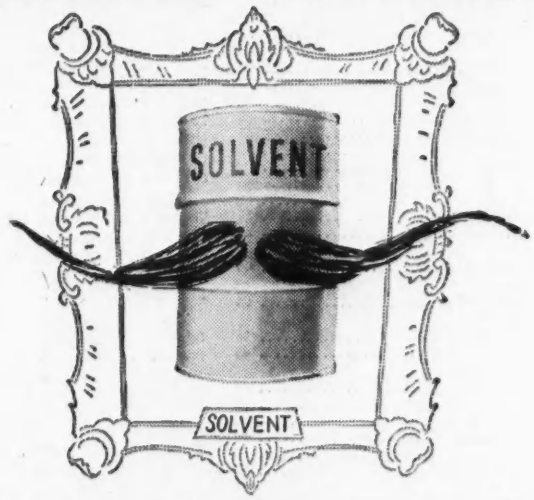
can a Solvent be "old-fashioned"?



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